



DIAN PELITA INDONESIA
Make It Brighter

PRODUCT CATALOG 2026

WWW.DIANPELITAINDONESIA.COM



OUR PRODUCTS IN INAPROC (LKPP)



**A Comprehensive
Portfolio of 100+
Professionally
Selected Products**

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Some of our products are available on:



Welcome to Our Product Catalog

Striving to deliver the best service combined with high quality light fixtures, this year we also expand our collection to touch broader electronics product.

make it *Brighter.*

About Us

PT Dian Pelita Indonesia (DPI) is a trusted provider of lighting and industrial solutions across Indonesia. Our postulate is Inspired by an old Batak proverbs: **Elat, Late, Teal**. We translate and ingrained those words for our guidance: Resilient in Commitment, Strong in Integrity, Trusted in Delivery.

Our core expertise spans public and industrial lighting, including explosion-proof lighting for hazardous areas, electrical components, and power quality systems. Expanding into the industrial market, we also supply conveyor belt systems, fully automatic bagging machines, electrical panels, and supporting equipment.

At DPI, we combine technical expertise with strong partnerships to deliver safe, efficient, and sustainable solutions. Helping industries and territories across Indonesia truly **make it Brighter.**



Professional Solution for Conditioned Environment



make it *Brighter.*

About Our Products



The best work from us. For your professional endeavor

PT Dian Pelita Indonesia (DPI) provides a comprehensive range of solutions across lighting fixtures, HVAC systems, bulk material components, and electronic display technology. Our portfolio includes indoor and outdoor lighting, air conditioning and ventilation systems, as well as digital products such as TV, videotron, and videowall.

We are committed to delivering reliable, efficient, and project-ready products that support the needs of commercial, industrial, and infrastructure developments. With DPI, clients gain access to solutions designed to enhance performance, safety, and long-term value.

Designed to optimize quality of life

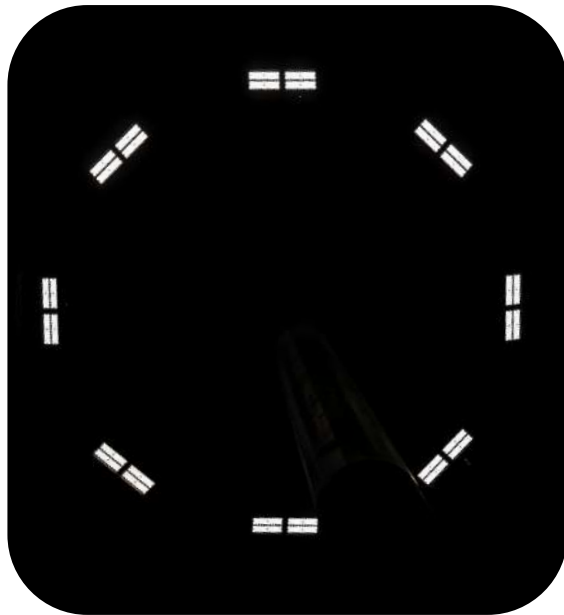
Light shapes experiences. Comfort creates productivity. Safety creates convenience under pressure. Technology connects people. At DPI, our lighting systems illuminate spaces with precision and elegance, our HVAC systems deliver optimal comfort, our components create prudent solutions, our automatic bagging solutions provides optimized output, and our digital display technologies transform communication into impactful visual experiences.

Whether it is a perfectly lit factory, mesmerizing entrance point to your town, a climate-controlled workspace, or a high-definition videowall commanding attention, every product we provide is designed to frame life's best moments — clearly, comfortably, and brilliantly.





Light Fixtures and Components (Bulk Material)



Our light products have two categories: general light fixtures and explosion proof light fixtures. Each categories have different advantage, tailored to perfection. To accommodate installation purpose, we also offer components such as switches and junction box to further assist your operation.

General light fixtures are suitable for non-environmental hazard condition, such as public space, office, pedestrian walkway, public square, retails, and non-hazardous industrial space. We partnered up with Panasonic which has illustrious experiences in providing high-quality, sustainable product. In addition, we also have Ophal, Our brand new light brand from our sister company, PT Baringin Cahaya Industri. Ophal lights are premium products that has been designed to bring superior efficacy rates while keeping driver protection competitive with other light fixtures brand.

Explosion proof light fixtures specifically designed for extreme condition. Able to withstand extreme temperature while maintaining quality standard. Ideal for Oil & Gas, Fertilizer, Chemical, and other hazardous industries. For this purpose, we partnered up with Warom Technology. Furthermore, Warom also provides electrical components of various capability that can be used for bulk material procurement system.



Panasonic

LKPP, Industrial, Retail
Light Fixtures

Page 6-13



Warom

Explosion Proof Light Fixtures, Junction
Box, Switches, Cable Glands, etc

Page 12-14



Ophal

LStreet and industrial Light
Fixtures

Page 12-14



Panasonic

as listed on



Flood Light DECO



10 & 20 Watt
RGBW

TKDN : is currently
being prepared
Warranty : 5 Years

*Warranty only applicable in Inaproc

10W : 350 Lm
20W : 700 Lm



200 Watt
Mono Colour
TKDN : is currently
being prepared
Warranty : 5 Years

*Warranty only applicable in Inaproc

14000 Lm

2400 Lm

40 Watt
Mono Colour
TKDN : is currently
being prepared
Warranty : 5 Years

*Warranty only applicable in Inaproc



7000 Lm

200 Watt
RGBW
TKDN : is currently
being prepared
Warranty : 5 Years

*Warranty only applicable in Inaproc



60 Watt
Mono Colour
TKDN : is currently
being prepared
Warranty : 5 Years

*Warranty only applicable in Inaproc

4200 Lm



Panasonic

as listed on



High Mast OPTIMA



240 GSM / On-Off
TKDN : is currently
being prepared
Warranty : 5 Years

*Warranty only applicable in Inaproc

33.600 Lm

67.200 Lm

480 GSM / On-off
TKDN : is currently
being prepared
Warranty : 5 Years

*Warranty only applicable in Inaproc



960 GSM / On-Off
TKDN : is currently
being prepared
Warranty : 5 Years

*Warranty only applicable in Inaproc

134.400 Lm



Panasonic

as listed on



LED Street Light NEO



Neo 10 Watt
Conventional
TKDN : 41,08 %
Warranty : 5 Years

1200 Lm

2400 Lm

Neo 20 Watt
Conventional
TKDN : 42.48 %
Warranty : 5 Years



Neo 30 Watt
Conventional
TKDN : 42.15%
Warranty : 5 Years

3600 Lm



Panasonic

as listed on



LED Street Light NEO - Auto Dimming



Neo 40 Watt
Auto Dimming
TKDN : 32,02%
Warranty : 5 years

5600 Lm

8400 Lm

Neo 60 Watt
Auto Dimming
TKDN : 26,84%
Warranty : 5 Years



Neo 90 Watt
Auto Dimming
TKDN : 25,66%
Warranty : 5 Years

12600 Lm

16800 Lm

Neo 120 Watt
Auto Dimming
TKDN : 41,37%
Warranty : 5 Years





Panasonic

as listed on



LED Street Light NEO High Lumen - Auto Dimming



NEO 40 Watt HL
Auto Dimming

TKDN : 34,46%
Warranty : 5 years

6400 Lm

9600 Lm

NEO 60 Watt HL
Auto Dimming

TKDN : 34,67%
Warranty : 5 Years



NEO 90 Watt HL
Auto Dimming

TKDN : 34,41%
Warranty : 5 Years

14400 Lm

19200 Lm

NEO 120 Watt HL
Auto Dimming

TKDN : 31.29%
Warranty : 5 Years





Panasonic

as listed on



LED Street Light NEO - Ready For Smart



NEO 60 Watt
Ready For Smart

TKDN : 26,28%
Warranty : 5 Years

8400 Lm

12600 Lm

NEO 90 Watt
Ready For Smart

TKDN : 28,62%
Warranty : 5 Years



NEO 120 Watt
Ready For Smart

TKDN : 27,06%
Warranty : 5 Years

16800 Lm

21000 Lm

NEO 150 Watt
Ready For Smart

TKDN : 26,68%
Warranty : 5 Years





Panasonic

as listed on



LED Street Light NEO - Smart System GSM



NEO 120 Watt
Smart System GSM

TKDN : 29,87%
Warranty : 5 Years

16800 Lm

21000 Lm

NEO 150 Watt
Smart System GSM

TKDN : 28,62%
Warranty : 5 Years





Panasonic

as listed on



LED Street Light Ultra I - Auto Dimming



LED ULTRA 1 40 Watt
Auto Dimming

TKDN : 25,25%
Warranty : 5 years

7200 Lm

10800 Lm

LED ULTRA 1 60 Watt
Auto Dimming

TKDN : 25,96%
Warranty : 5 years



LED ULTRA 1 90 Watt
Auto Dimming

TKDN : 27,71%
Warranty : 5 years

16200 Lm

21600 Lm

LED ULTRA 1 120 Watt
Auto Dimming

TKDN : 25,84%
Warranty : 5 years





Panasonic Industrial

Downlight System Light



Specification

Ambient Temperature : -20°C until 40°C
Power Factor : 0.9

Body : Aluminum Die Casting Diffuse :
Polycarbonate Driver : Included

Application

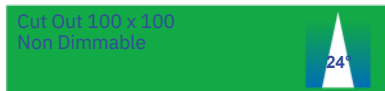


Dimension

1 Lamp			
Type	W	L	H
100x100mm	113mm	113mm	80mm
140x140mm	140mm	140mm	97mm

2 Lamps			
Type	W	L	H
200x100mm	113mm	216mm	80mm
140x140mm	140mm	275mm	97mm

System Light 1 Lamp



NNP22922031
12W • 790lm • 65.8lm/W

4000K
CRI 90

AC 220-240V • 50/60Hz
NNP22912031

12W • 790lm • 65.8lm/W
AC 220-240V • 50/60Hz

3000K
CRI 90



NNP24922031
18W • 1150lm • 63.9lm/W

4000K
CRI 90

AC 220-240V • 50/60Hz
NNP24912031

18W • 1150lm • 63.9lm/W
AC 220-240V • 50/60Hz

3000K
CRI 90

System Light 2 Lamps



NNP22942031

4000K
CRI 90

24W • 1580lm • 65.8lm/W
AC 220-240V • 50/60Hz

NNP22932031

24W • 1580lm • 65.8lm/W
AC 220-240V • 50/60Hz

3000K
CRI 90



NNP24942031

4000K
CRI 90

36W • 2300lm • 63.9lm/W
AC 220-240V • 50/60Hz

NNP24932031

36W • 2300lm • 63.9lm/W
AC 220-240V • 50/60Hz

3000K
CRI 90

Soft Warm (2700K) Warm White (3000K) Varian White (3500K) Cool White (4000K) Day White (5000K) Sun Light (5700K) Cool Daylight (6500K)



Panasonic Industrial

Downlight TOLSO Series

Specification

Ambient Temperature : -5°C until 40°C

Power Factor : 0.85

Body : Aluminum Die Casting

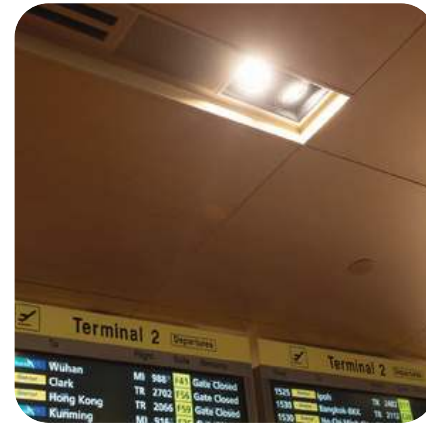
Diffuse : Polycarbonate

Driver : Included

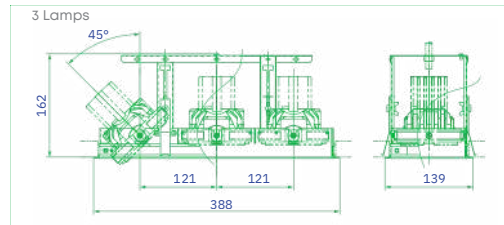
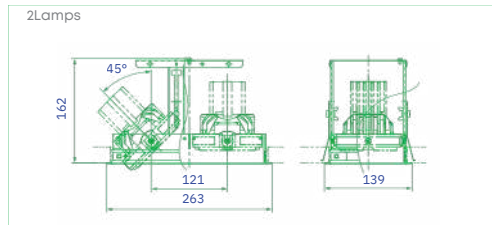
Dimming : PWM Dim

Multiple lamps are put together in a box to create a clean ceiling surface. The compact size and reduced glare suppress the presence of equipment and produce a calm space. Directly combined with lamps. In combination with various lamps, it is possible to produce freely according to the space and scene

Application



Dimension



Box Frame Unit (for 2 lamps)



Box Frame Unit (for 3 lamps)

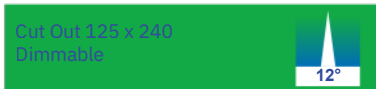




Panasonic Industrial

Downlight TOLSO Series

System Light 2 Lamp



XNTS51411DLJ9031

4000K
CRI 85

30.8W • 2290lm • 74.4lm/W
AC 100-242V • 50/60Hz

XNTS51412DLJ9031

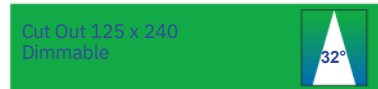
3500K
CRI 85

30.8W • 2240lm • 72.7lm/W
AC 100-242V • 50/60Hz

XNTS51413DLJ9031

3000K
CRI 85

30.8W • 2170lm • 70.5lm/W
AC 100-242V • 50/60Hz



XNTS51431DLJ9031

4000K
CRI 85

30.8W • 2250lm • 73.1lm/W
AC 100-242V • 50/60Hz

XNTS51432DLJ9031

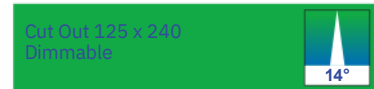
3500K
CRI 85

30.8W • 2210lm • 71.8lm/W
AC 100-242V • 50/60Hz

XNTS51433DLJ9031

3000K
CRI 85

30.8W • 2130lm • 69.2lm/W
AC 100-242V • 50/60Hz



XNTS52461DLJ9031

4000K
CRI 85

37.8W • 3110lm • 82.3lm/W
AC 100-242V • 50/60Hz

XNTS52462DLJ9031

3500K
CRI 85

37.8W • 3060lm • 80.9lm/W
AC 100-242V • 50/60Hz

XNTS52463DLJ9031

3000K
CRI 85

37.8W • 2980lm • 78.8lm/W
AC 100-242V • 50/60Hz



XNTS52481DLJ9031

4000K
CRI 85

37.8W • 3380lm • 89.4lm/W
AC 100-242V • 50/60Hz

XNTS52482DLJ9031

3500K
CRI 85

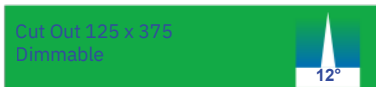
37.8W • 3320lm • 87.8lm/W
AC 100-242V • 50/60Hz

XNTS52483DLJ9031

3000K
CRI 85

37.8W • 3240lm • 85.7lm/W
AC 100-242V • 50/60Hz

System Light 3 Lamp



XNTS51411TLJ9031

4000K
CRI 85

46.2W • 3435lm • 74.4lm/W
AC 100-242V • 50/60Hz

XNTS51412TLJ9031

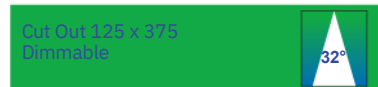
3500K
CRI 85

46.2W • 3360lm • 72.7lm/W
AC 100-242V • 50/60Hz

XNTS51413TLJ9031

3000K
CRI 85

46.2W • 3255lm • 70.5lm/W
AC 100-242V • 50/60Hz



XNTS51431TLJ9031

4000K
CRI 85

46.2W • 3375lm • 73.1lm/W
AC 100-242V • 50/60Hz

XNTS51432TLJ9031

3500K
CRI 85

46.2W • 3315lm • 71.8lm/W
AC 100-242V • 50/60Hz

XNTS51433TLJ9031

3000K
CRI 85

46.2W • 3195lm • 69.2lm/W
AC 100-242V • 50/60Hz



XNTS52461TLJ9031

4000K
CRI 85

56.7W • 4665lm • 82.3lm/W
AC 100-242V • 50/60Hz

XNTS52462TLJ9031

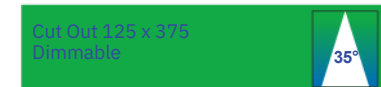
3500K
CRI 85

56.7W • 4590lm • 80.9lm/W
AC 100-242V • 50/60Hz

XNTS52463TLJ9031

3000K
CRI 85

56.7W • 4470lm • 78.8lm/W
AC 100-242V • 50/60Hz



XNTS52481TLJ9031

4000K
CRI 85

56.7W • 5070lm • 89.4lm/W
AC 100-242V • 50/60Hz

XNTS52482TLJ9031

3500K
CRI 85

56.7W • 4980lm • 87.8lm/W
AC 100-242V • 50/60Hz

XNTS52483TLJ9031

3000K
CRI 85

56.7W • 4860lm • 85.7lm/W
AC 100-242V • 50/60Hz

Soft Warm (2700K) Warm White (3000K) Varian White (3500K) Cool White (4000K) Day White (5000K) Sun Light (5700K) Cool Daylight (6500K)





Panasonic Industrial Downlight System Light S Series

Specification

Ambient Temperature : 30°C
Power Factor : 0.9

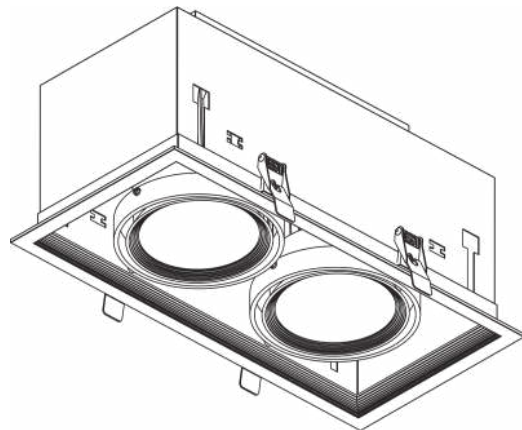
Body : Sheet With Painted

Driver : Included

Dimming : DALI

Digitally Addressable Lighting Interface (DALI).

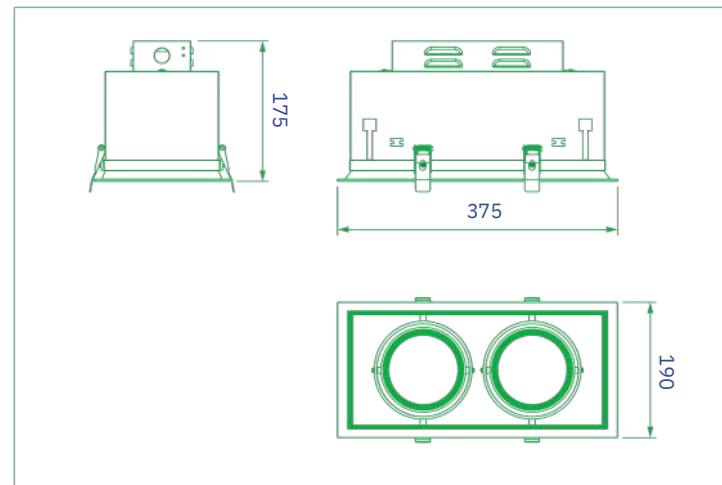
DALI is a digital communication protocol for managing light control networks in automation project



2 Lamps



Dimension

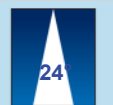


Application



System Light 2 Lamp

Cut Out 345 x 160 Dimmable
DALI



NNP26972DL

40W • 4200lm • 105m/W
AC 220-240V • 50/60Hz

Tunable White
2700K-6500K
CRI 90

Tunable White (2700K-6500K)

Soft Warm (2700K)

Warm White (3000K)

Varian White (3500K)

Cool White (4000K)

Day White (5000K)

Sun Light (5700K)

Cool Daylight (6500K)



Panasonic Industrial

Downlight Waterproof Series

12W TYPE

Cut Out Ø65
Non Dimmable



NNP73184031

4000K
CRI 90

12W•950lm • 79lm/W
AC 220-240V • 50/60Hz

NNP73183031

3000K
CRI 90

12W•950lm • 79lm/W
AC 220-240V • 50/60Hz

12W TYPE

Cut Out Ø65
Non Dimmable



NNP73186031

4000K
CRI 90

12W•950lm • 79lm/W
AC 220-240V • 50/60Hz

NNP73185031

3000K
CRI 90

12W•950lm • 79lm/W
AC 220-240V • 50/60Hz

NNP73187031

2700K
CRI 90

12W•950lm • 79lm/W
AC 220-240V • 50/60Hz

Specification

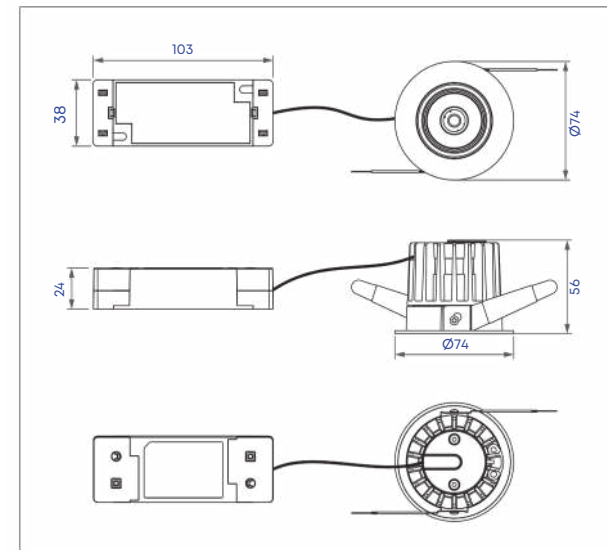
Ambient Temperature : -20°C until 40°C
Power Factor : 0.85

Fixture Body : Painted Aluminum Die-cast
Diffuse : Polycarbonate
Driver : Included

Application



Dimension



Soft Warm (2700K) Warm White (3000K) Varian White (3500K) Cool White (4000K) Day White (5000K) Sun Light (5700K) Cool Daylight (6500K)



Panasonic Industrial

Downlight Glareless Series - Adjustable Type

Specification

Ambient Temperature : -20°C until 40°C
Power Factor : 0.9
Body : Painted Aluminum Die-cast
Diffuse : Polycarbonate
Driver : Included

ADJUSTABLE GLARELESS TYPE - BLACK FRAME

Black Frame Color
Cut Out Ø75 Glare Cut 90°
Dimmable



NNP23291K031 B
9W • 750lm • 83lm/W
AC 220-240V • 50/60Hz

3000K
CRI 90

Dimming : Phase Cut Dim
Dimming : DALI
Digitally Addressable Lighting Interface (DALI).
DALI is a digital communication protocol for managing lighting control networks in automation projects.



ADJUSTABLE GLARELESS TYPE - WHITE FRAME

White Frame Color
Cut Out Ø75 Glare Cut 90°
Dimmable



NNP23292K031
9W • 750lm • 83lm/W AC
220-240V • 50/60Hz

4000K
CRI 90

NNP23291K031
9W • 750lm • 83lm/W AC
220-240V • 50/60Hz

3000K
CRI 90

NNP23290K031
9W • 750lm • 83lm/W AC
220-240V • 50/60Hz

2700K
CRI 90

White Frame Color
Cut Out Ø75 Glare Cut 90°
Dimmable



NNP23294K031
9W • 750lm • 83lm/W AC
220-240V • 50/60Hz

4000K
CRI 90

NNP23293K031
9W • 750lm • 83lm/W AC
220-240V • 50/60Hz

3000K
CRI 90

White Frame Color
Cut Out Ø75 Glare Cut 90°
Dimmable DALI



NNP23291DL
9W • 750lm • 83lm/W
AC 220-240V • 50/60Hz

3000K
CRI 90

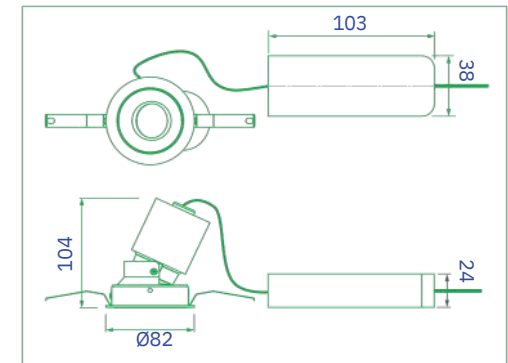
White Frame Color
Cut Out Ø75 Glare Cut 90°
Dimmable DALI



NNP23293DL
9W • 750lm • 83lm/W
AC 220-240V • 50/60Hz

3000K
CRI 90

Dimension



Soft Warm (2700K) Warm White (3000K) Varian White (3500K) Cool White (4000K) Day White (5000K) Sun Light (5700K) Cool Daylight (6500K)



Panasonic Industrial

LED Spot Track Light

Application



Specification

Ambient Temperature : 30°C
Power Factor : 0.9

Body : Aluminum Die Cast
Track Rail : Aluminum Extrusion
Diffuse : Polycarbonate
Driver : Included
Dimmer : 0-10V

Black Color



Track Rail Accessories



LED Spot Track - 20W TYPE

Black Color
Dimmable 0-10V



NNP04124D
20W•1600lm • 80lm/W
AC 220-240V • 50/60Hz

4000K
CRI 90

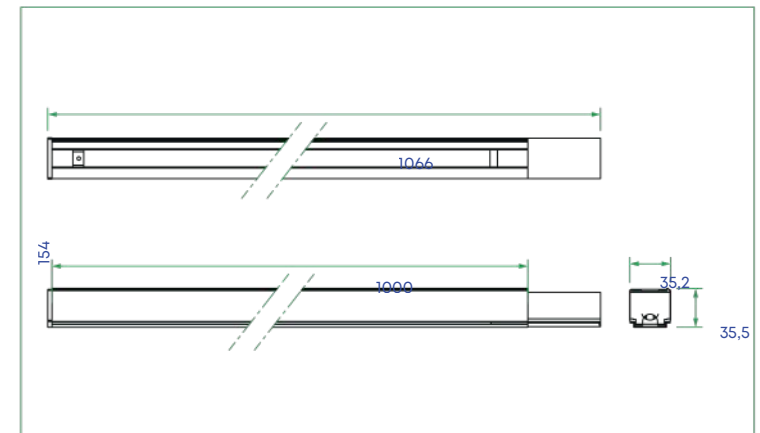
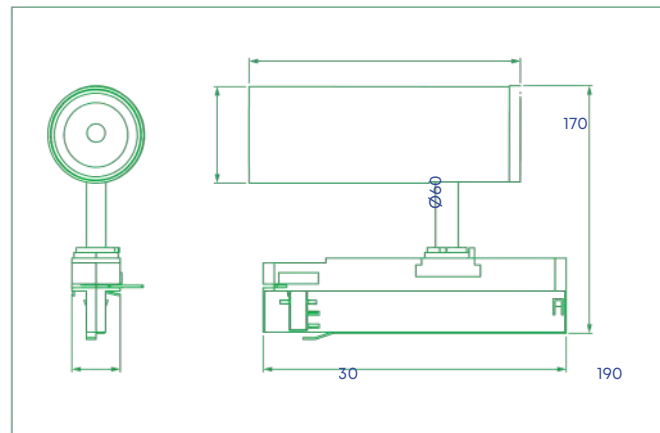
Track Rail Accessories

OnePhaseDimmableTrack Rail
Dimmable Socket 0-10V

YNP9020BL
Max.for 60W •IP20
220-240V AC

Black
Color

Dimension

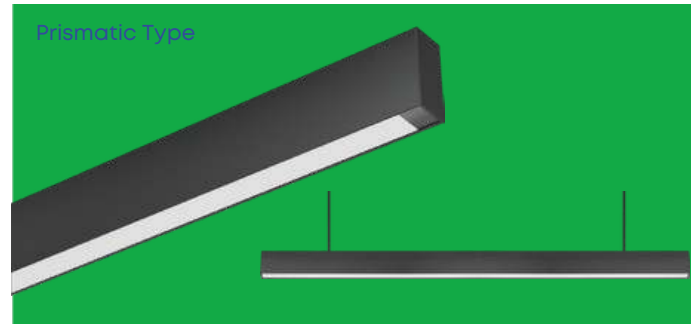


Soft Warm (2700K) Warm White (3000K) Varian White (3500K) Cool White (4000K) Day White (5000K) Sun Light (5700K) Cool Daylight (6500K)



Panasonic Industrial

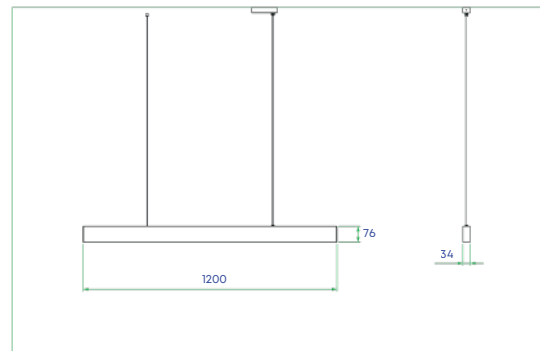
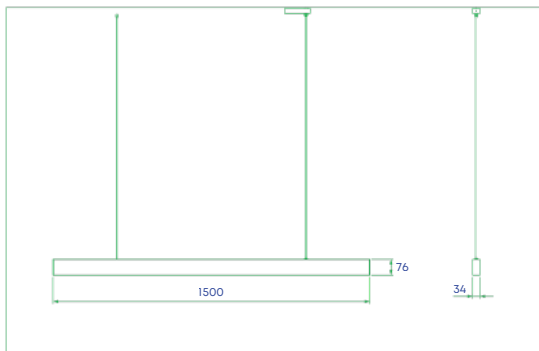
LED Pendant Linear: Grille Type & Prismatic



Specification

Ambient Temperature : -20°C until 40°C
Power Factor : 0.9
Body : Aluminum Extrusion
Driver : Included

Dimension



Grille Type - 20W

Black Color Non Dimmable	38°
NNP94421031	4000K CRI 90
NNP94411031	3000K CRI 90
NNP94401031	2700K CRI 90

Grille Type - 30W

Black Color Non Dimmable	38°
NNP95421031	4000K CRI 90
NNP95411031	3000K CRI 90
NNP95401031	2700K CRI 90

Grille Type - 40W

Black Color Non Dimmable	38°
NNP95521031	4000K CRI 90
NNP95511031	3000K CRI 90
NNP95501031	2700K CRI 90

Prismatic Type - 20W

Black Color Non Dimmable	90°
NNP94420031	4000K CRI 90
NNP94410031	3000K CRI 90
NNP94400031	2700K CRI 90

Prismatic Type - 30W

Black Color Non Dimmable	90°
NNP95420031	4000K CRI 90
NNP95410031	3000K CRI 90
NNP95400031	2700K CRI 90

Prismatic Type - 40W

Black Color Non Dimmable	90°
NNP95520031	4000K CRI 90
NNP95510031	3000K CRI 90
NNP95500031	2700K CRI 90

Soft Warm (2700K) Warm White (3000K) Varian White (3500K) Cool White (4000K) Day White (5000K) Sun Light (5700K) Cool Daylight (6500K)



Panasonic Industrial

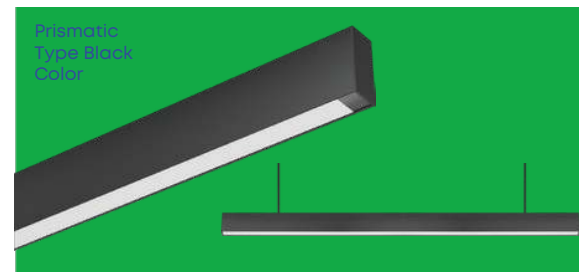
LED Pendant Linear: Prismatic

Specification

Ambient Temperature : -20°C until 40°C
Power Factor : 0.9
Body : Aluminum Extrusion
Driver : Included

Dimming : DALI Digitally Addressable Lighting Interface (DALI).

DALI is a digital communication protocol for managing lighting control networks in automation projects.



Prismatic Type - 30W

Black Color
Dimmable DALI



NNP954DLT46
30W•2900lm • 96lm/W
AC 220-240V • 50/60Hz

Tunable White
2700K-6500K
CRI 90

NNP954DLC46
30W•2900lm • 96lm/W
AC 220-240V • 50/60Hz

6500K
CRI 90

NNP954DLN46
30W•2900lm • 96lm/W
AC 220-240V • 50/60Hz

4000K
CRI 90

NNP954DLW46
30W•2900lm • 96lm/W
AC 220-240V • 50/60Hz

3000K
CRI 90

NNP954DLL46
30W•2900lm • 96lm/W
AC 220-240V • 50/60Hz

2700K
CRI 90

Prismatic Type - 30W

Silver Color
Dimmable DALI



NNP954DLT06
30W•2900lm • 96lm/W
AC 220-240V • 50/60Hz

Tunable White
2700K-6500K
CRI 90

NNP954DLC06
30W•2900lm • 96lm/W
AC 220-240V • 50/60Hz

6500K
CRI 90

NNP954DLN06
30W•2900lm • 96lm/W
AC 220-240V • 50/60Hz

4000K
CRI 90

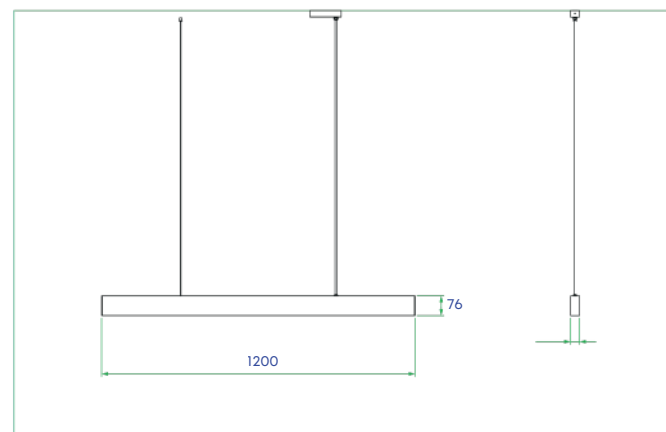
NNP954DLW06
30W•2900lm • 96lm/W
AC 220-240V • 50/60Hz

3000K
CRI 90

NNP954DLL06
30W•2900lm • 96lm/W
AC 220-240V • 50/60Hz

2700K
CRI 90

Dimension



Application



Soft Warm (2700K) Warm White (3000K) Varian White (3500K) Cool White (4000K) Day White (5000K) Sun Light (5700K) Cool Daylight (6500K)



Panasonic Industrial

Base Light: ID Series

Specification

Ambient Temperature : 5°C until 35°C
Power Factor : 0.9

Fixture Body : Steel With White Painted
Diffuse : Polycarbonate
Driver : Included

Batten 2ft Type

Non Dimmable

120°

XLX210NEDCLE9031
12.1W•1530lm •126.5lm/W
AC 100-242V • 50/60Hz

6500K
CRI 83

XLX210NENCLE9031
12.1W•1600lm •132.2lm/W
AC 100-242V • 50/60Hz

5000K
CRI 83

XLX210NEWCLE9031
12.1W•1460lm •120.7lm/W
AC 100-242V • 50/60Hz

4000K
CRI 83

V-shape 2ft Type

Non Dimmable

120°

XLX210AEDCLE9031
12.1W•1530lm •126.5lm/W
AC 100-242V • 50/60Hz

6500K
CRI 83

XLX210AENCLE9031
12.1W•1600lm •132.2lm/W
AC 100-242V • 50/60Hz

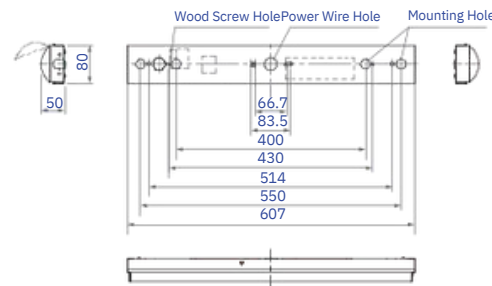
5000K
CRI 83

XLX210AEWCLE9031
12.1W•1460lm •120.7lm/W
AC 100-242V • 50/60Hz

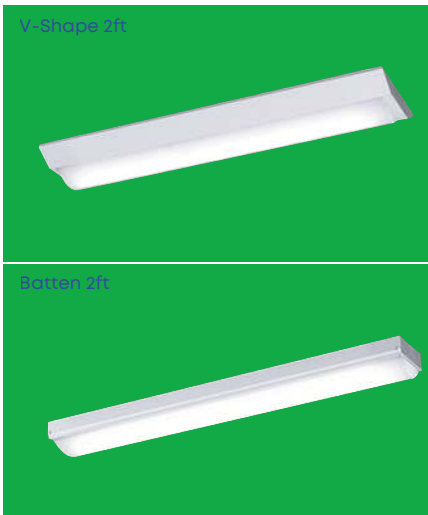
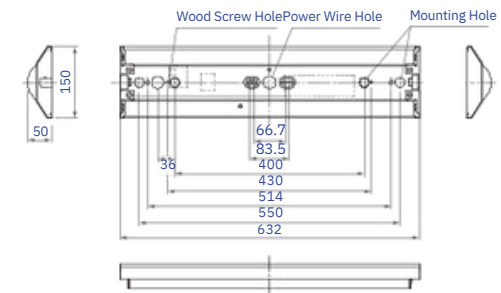
4000K
CRI 83

Dimension

Batten 2ft



V-Shape 2ft



Soft Warm (2700K) Warm White (3000K) Varian White (3500K) Cool White (4000K) Day White (5000K) Sun Light (5700K) Cool Daylight (6500K)



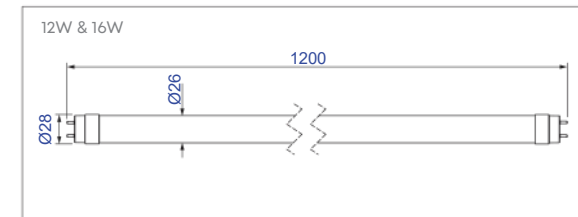
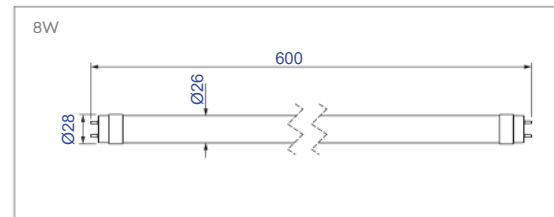
Panasonic Industrial

LED G13 Tube

Specification

Ambient Temperature : 30°C
Power Factor End Cap : 0.9
Plastic Tube : Glass
Feature : Single End & Flicker Free
Driver : Included

Dimension



8W Type

Non Dimmable	180°
NNP80902K	6500K CRI 80
8W • 1000lm • 125lm/W AC 220-240V • 50/60Hz	
NNP80901K	4000K CRI 80
8W • 1000lm • 125lm/W AC 220-240V • 50/60Hz	

12W Type

Non Dimmable	180°
NNP80904K	6500K CRI 80
12W • 1600lm • 133lm/W AC 220-240V • 50/60Hz	
NNP80903K	4000K CRI 80
12W • 1600lm • 133lm/W AC 220-240V • 50/60Hz	

16W Type

Non Dimmable	180°
NNP80906K	6500K CRI 80
16W • 2100lm • 131lm/W AC 220-240V • 50/60Hz	
NNP80905K	4000K CRI 80
16W • 2100lm • 131lm/W AC 220-240V • 50/60Hz	

Soft Warm (2700K) Warm White (3000K) Varian White (3500K) Cool White (4000K) Day White (5000K) Sun Light (5700K) Cool Daylight (6500K)



Panasonic Industrial

LED Panel Light Backlight

Specification

Ambient Temperature : 5°C until 40°C
Power Factor : 0.9

Body : Steel With White Painted
Frame : Painted Aluminum Extruded White
Installation : Recessed by springs
Driver : Included

Rectangular Type

Cut Out 1178 x 278
Non Dimmable



NNP85452
40W•4400lm • 110lm/W
AC 220-240V • 50/60Hz

6500K
CRI 80

NNP85432
40W•4400lm • 110lm/W
AC 220-240V • 50/60Hz

5000K
CRI 80

NNP85422
40W•4400lm • 110lm/W
AC 220-240V • 50/60Hz

4000K
CRI 80

NNP85412
40W•4400lm • 110lm/W
AC 220-240V • 50/60Hz

3000K
CRI 80

Cut Out 1178 x 278
Dimmable 0-10V



NNP85452D
40W•4400lm • 110lm/W
AC 220-240V • 50/60Hz

6500K
CRI 80

NNP85432D
40W•4400lm • 110lm/W
AC 220-240V • 50/60Hz

5000K
CRI 80

NNP85422D
40W•4400lm • 110lm/W
AC 220-240V • 50/60Hz

4000K
CRI 80

NNP85412D
40W•4400lm • 110lm/W
AC 220-240V • 50/60Hz

3000K
CRI 80

Square Type

Cut Out 578 x 578
Non Dimmable



NNP85251
40W•4400lm • 110lm/W
AC 220-240V • 50/60Hz

6500K
CRI 80

NNP85231
40W•4400lm • 110lm/W
AC 220-240V • 50/60Hz

5000K
CRI 80

NNP85221
40W•4400lm • 110lm/W
AC 220-240V • 50/60Hz

4000K
CRI 80

NNP85211
40W•4400lm • 110lm/W
AC 220-240V • 50/60Hz

3000K
CRI 80

Cut Out 578 x 578
Dimmable 0-10V



NNP85251D
40W•4400lm • 110lm/W
AC 220-240V • 50/60Hz

6500K
CRI 80

NNP85231D
40W•4400lm • 110lm/W
AC 220-240V • 50/60Hz

5000K
CRI 80

NNP85221D
40W•4400lm • 110lm/W
AC 220-240V • 50/60Hz

4000K
CRI 80

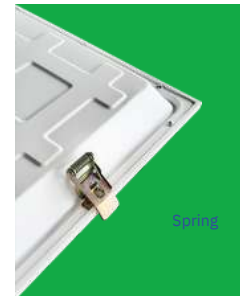
NNP85211D
40W•4400lm • 110lm/W
AC 220-240V • 50/60Hz

3000K
CRI 80

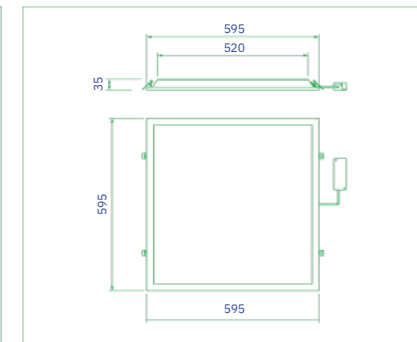
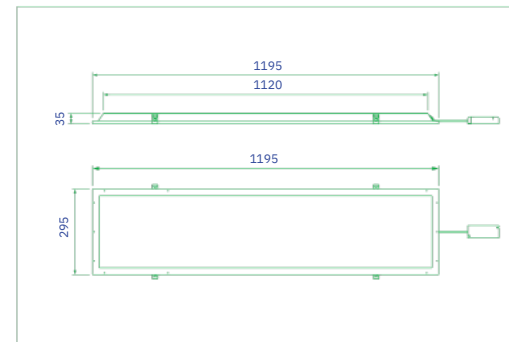
Rectangular Type



Square Type



Dimension



Application



Soft Warm (2700K) Warm White (3000K) Varian White (3500K) Cool White (4000K) Day White (5000K) Sun Light (5700K) Cool Daylight (6500K)



Panasonic Industrial

LED Highbay UFO II

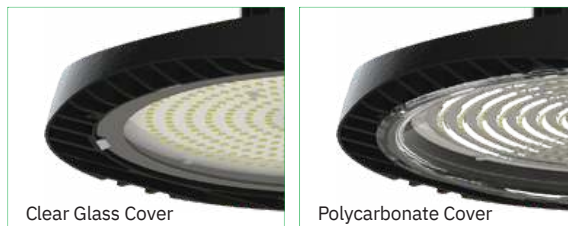
Specification

Ambient Temperature : -30°C until 40°C
Power Factor : ≥ 0.90

Driver : Included
Body : Aluminum Die-Cast Black Finish
Hook : Stainless Steel
Bracket : Galvanized Sheet
Cone : Aluminum
Cover : Clear Glass and Polycarbonate

The design releasing the LED heat efficiently ensures brightness from installation to the end of product life time.

Waterproof Highbay light (IP65) for factory, warehouse and other high ceiling places.

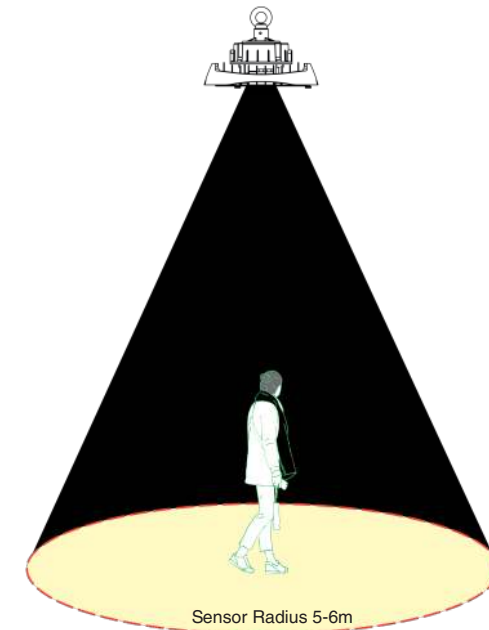


• Motion Sensor Type



• Dimming Type

Recommended Installation Area



• Recommended installation height for sensor type lamps:
Max. 8 meters
(Not recommended to be installed close to devices that are always moving. For example: exhaust, fan, etc.)

• Recommended installation height for dimmer type lamps: 80W $\leq$ 10 meters 100W $\leq$ 13 meters 150W $\leq$ 13 meters 200W $\leq$ 18 meters (The measurement results above refer to the lux standard of 100lx with a simulated area of 20m x 20m).

■ Soft Warm (2700K) ■ Warm White (3000K) ■ Varian White (3500K) □ Cool White (4000K) ■ Day White (5000K) ■ Sun Light (5700K) ■ Cool Daylight (6500K)



Panasonic Industrial

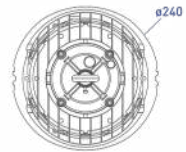
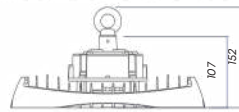
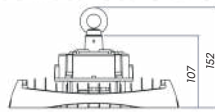
LED Highbay UFO II

Dimension Dimming Type

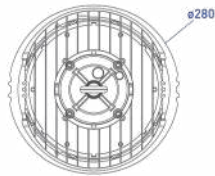
• Cover Lens
(Polycarbonate)



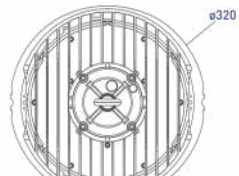
• Cover Clear Glass



80 & 100 Watt



150 Watt



200 Watt

Dimension Motion Sensor Type



80 & 100 Watt

Accessory Combination

(Accessories sold separately)



Lamp + Bracket



Lamp + Cone



Lamp + Bracket + Cone

Bracket



NNP48244BR
for 80 &
100W



NNP48444BR
for 150W



NNP48644BR
for 200W

Reflector Cone



NNP48244CN
for 80 & 100W



NNP48444CN for 150W



NNP48644CN for
200W

• Note : Reflector Cone not recommended for sensor type



Panasonic Industrial

LED Highbay UFO II

80W Type

Dimmable Cover Lens (Polycarbonate)	60°	Dimmable Cover Lens (Polycarbonate)	90°	Dimmable Cover Clear Glass	110°
NNP48034D 80W•12800lm • 160lm/W AC 100-240V • 50/60Hz	6500K CRI 80	NNP48044D 80W•12800lm • 160lm/W AC 100-240V • 50/60Hz	6500K CRI 80	NNP48054D 80W•12800lm • 160lm/W AC 100-240V • 50/60Hz	6500K CRI 80
NNP48033D 80W•12800lm • 160lm/W AC 100-240V • 50/60Hz	5000K CRI 80	NNP48043D 80W•12800lm • 160lm/W AC 100-240V • 50/60Hz	5000K CRI 80	NNP48053D 80W•12800lm • 160lm/W AC 100-240V • 50/60Hz	5000K CRI 80
NNP48032D 80W•12800lm • 160lm/W AC 100-240V • 50/60Hz	4000K CRI 80	NNP48042D 80W•12800lm • 160lm/W AC 100-240V • 50/60Hz	4000K CRI 80	NNP48052D 80W•12800lm • 160lm/W AC 100-240V • 50/60Hz	4000K CRI 80

100W Type

Dimmable Cover Lens (Polycarbonate)	60°	Dimmable Cover Lens (Polycarbonate)	90°	Dimmable Cover Clear Glass	110°
NNP48234D 100W•16000lm • 160lm/W AC 100-240V • 50/60Hz	6500K CRI 80	NNP48244D 100W•16000lm • 160lm/W AC 100-240V • 50/60Hz	6500K CRI 80	NNP48254D 100W•16000lm • 160lm/W AC 100-240V • 50/60Hz	6500K CRI 80
NNP48233D 100W•16000lm • 160lm/W AC 100-240V • 50/60Hz	5000K CRI 80	NNP48243D 100W•16000lm • 160lm/W AC 100-240V • 50/60Hz	5000K CRI 80	NNP48253D 100W•16000lm • 160lm/W AC 100-240V • 50/60Hz	5000K CRI 80
NNP48232D 100W•16000lm • 160lm/W AC 100-240V • 50/60Hz	4000K CRI 80	NNP48242D 100W•16000lm • 160lm/W AC 100-240V • 50/60Hz	4000K CRI 80	NNP48252D 100W•16000lm • 160lm/W AC 100-240V • 50/60Hz	4000K CRI 80

150W Type

Dimmable Cover Lens (Polycarbonate)	60°	Dimmable Cover Lens (Polycarbonate)	90°	Dimmable Cover Clear Glass	110°
NNP48434D 150W•24000lm • 160lm/W AC 100-240V • 50/60Hz	6500K CRI 80	NNP48444D 150W•24000lm • 160lm/W AC 100-240V • 50/60Hz	6500K CRI 80	NNP48454D 150W•24000lm • 160lm/W AC 100-240V • 50/60Hz	6500K CRI 80
NNP48433D 150W•24000lm • 160lm/W AC 100-240V • 50/60Hz	5000K CRI 80	NNP48443D 150W•24000lm • 160lm/W AC 100-240V • 50/60Hz	5000K CRI 80	NNP48453D 150W•24000lm • 160lm/W AC 100-240V • 50/60Hz	5000K CRI 80
NNP48432D 150W•24000lm • 160lm/W AC 100-240V • 50/60Hz	4000K CRI 80	NNP48442D 150W•24000lm • 160lm/W AC 100-240V • 50/60Hz	4000K CRI 80	NNP48452D 150W•24000lm • 160lm/W AC 100-240V • 50/60Hz	4000K CRI 80

200W Type

Dimmable Cover Lens (Polycarbonate)	60°	Dimmable Cover Lens (Polycarbonate)	90°	Dimmable Cover Clear Glass	110°
NNP48634D 200W•32000lm • 160lm/W AC 100-240V • 50/60Hz	6500K CRI 80	NNP48644D 200W•32000lm • 160lm/W AC 100-240V • 50/60Hz	6500K CRI 80	NNP48654D 200W•32000lm • 160lm/W AC 100-240V • 50/60Hz	6500K CRI 80
NNP48633D 200W•32000lm • 160lm/W AC 100-240V • 50/60Hz	5000K CRI 80	NNP48643D 200W•32000lm • 160lm/W AC 100-240V • 50/60Hz	5000K CRI 80	NNP48653D 200W•32000lm • 160lm/W AC 100-240V • 50/60Hz	5000K CRI 80
NNP48632D 200W•32000lm • 160lm/W AC 100-240V • 50/60Hz	4000K CRI 80	NNP48642D 200W•32000lm • 160lm/W AC 100-240V • 50/60Hz	4000K CRI 80	NNP48652D 200W•32000lm • 160lm/W AC 100-240V • 50/60Hz	4000K CRI 80

Dimming Type



Soft Warm (2700K) Warm White (3000K) Varian White (3500K) Cool White (4000K) Day White (5000K) Sun Light (5700K) Cool Daylight (6500K)



Panasonic Industrial

LED Highbay UFO II

80W Type

Motion Sensor Cover Lens (Polycarbonate)	60°
NNP48034S	6500K CRI 80
80W•12800lm • 160lm/W AC 100-240V • 50/60Hz	
NNP48033S	5000K CRI 80
80W•12800lm • 160lm/W AC 100-240V • 50/60Hz	
NNP48032S	4000K CRI 80
80W•12800lm • 160lm/W AC 100-240V • 50/60Hz	

Motion Sensor Cover Lens (Polycarbonate)	90°
NNP48044S	6500K CRI 80
80W•12800lm • 160lm/W AC 100-240V • 50/60Hz	
NNP48043S	5000K CRI 80
80W•12800lm • 160lm/W AC 100-240V • 50/60Hz	
NNP48042S	4000K CRI 80
80W•12800lm • 160lm/W AC 100-240V • 50/60Hz	

Motion Sensor Cover Clear Glass	110°
NNP48054S	6500K CRI 80
80W•12800lm • 160lm/W AC 100-240V • 50/60Hz	
NNP48053S	5000K CRI 80
80W•12800lm • 160lm/W AC 100-240V • 50/60Hz	
NNP48052S	4000K CRI 80
80W•12800lm • 160lm/W AC 100-240V • 50/60Hz	

Motion Sensor Type



100W Type

Motion Sensor Cover Lens (Polycarbonate)	60°
NNP48234S	6500K CRI 80
100W•16000lm • 160lm/W AC 100-240V • 50/60Hz	
NNP48233S	5000K CRI 80
100W•16000lm • 160lm/W AC 100-240V • 50/60Hz	
NNP48232S	4000K CRI 80
100W•16000lm • 160lm/W AC 100-240V • 50/60Hz	

Motion Sensor Cover Lens (Polycarbonate)	90°
NNP48244S	6500K CRI 80
100W•16000lm • 160lm/W AC 100-240V • 50/60Hz	
NNP48243S	5000K CRI 80
100W•16000lm • 160lm/W AC 100-240V • 50/60Hz	
NNP48242S	4000K CRI 80
100W•16000lm • 160lm/W AC 100-240V • 50/60Hz	

Motion Sensor Cover Clear Glass	110°
NNP48254S	6500K CRI 80
100W•16000lm • 160lm/W AC 100-240V • 50/60Hz	
NNP48253S	5000K CRI 80
100W•16000lm • 160lm/W AC 100-240V • 50/60Hz	
NNP48252S	4000K CRI 80
100W•16000lm • 160lm/W AC 100-240V • 50/60Hz	

Soft Warm (2700K) Warm White (3000K) Varian White (3500K) Cool White (4000K) Day White (5000K) Sun Light (5700K) Cool Daylight (6500K)



Panasonic Decorative

LED Flexible Light Strip

Application



Specification

Tube : Silicon
End cap : Silicon
Body length : 5 meter per unit.
Maximum connection 10 meters.

Driver

Voltage Lumener	Model Number	Wattage	Voltage Driver	IP
DC 24V	NNP96971	60W	AC 220-240V	67
	NNP96973	100W		
	NNP96979	150W		
	NNP96975	200W		
	NNP96977	300W		

System ON/OFF	100°
NNP95222	4000K CRI 90
4.8W/meter • 360lm/m 1800lm/5m • 75lm/W • DC 24V	
NNP95212	3000K CRI 90
4.8W/meter • 360lm/m 1800lm/5m • 75lm/W • DC 24V	
NNP95202	2700K CRI 90
4.8W/meter • 360lm/m 1800lm/5m • 75lm/W • DC 24V	

System ON/OFF	100°
NNP96222	4000K CRI 90
10W/meter • 850lm/m 4250lm/5m • 85lm/W • DC 24V	
NNP96212	3000K CRI 90
10W/meter • 850lm/m 4250lm/5m • 85lm/W • DC 24V	
NNP96202	2700K CRI 90
10W/meter • 850lm/m 4250lm/5m • 85lm/W • DC 24V	

System ON/OFF	100°
NNP97222	4000K CRI 90
14.4W/meter • 1200lm/m 6000lm/5m • 83lm/W • DC 24V	
NNP97212	3000K CRI 90
14.4W/meter • 1200lm/m 6000lm/5m • 83lm/W • DC 24V	
NNP97202	2700K CRI 90
14.4W/meter • 1200lm/m 6000lm/5m • 83lm/W • DC 24V	

Accessories (Accessories Include Purchase)



1. Glue (1pcs)



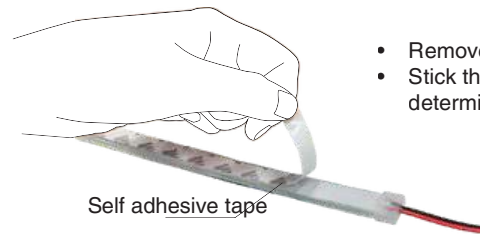
2. Fixed Clip (10pcs)



3. End-cap (5pcs)



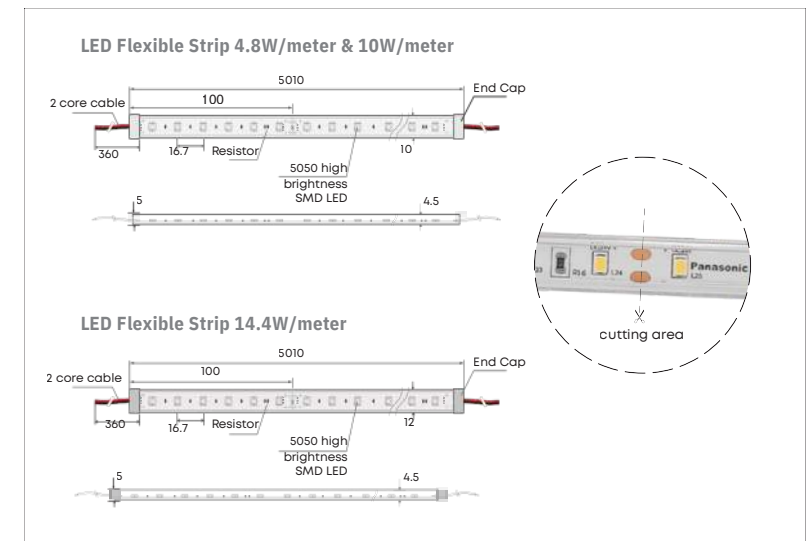
4. Screw (20pcs)



Self adhesive tape

- Remove the paper on the self adhesive tape.
- Stick the self adhesive tape in the place that has been determined.

Dimension



RGB Soft Warm (2700K) RGBW Warm White (3000K)

Varian White (3500K) Cool White (4000K) Day White (5000K) Sun Light (5700K) Cool Daylight (6500K)



Panasonic Decorative

RGBW Color & Mono Color

Specification

Ambient Temperature : -25°C until 50°C

Body : Painted Aluminum Die-Casting
Cover Lens : Tempered Glass

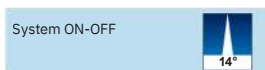


Driver

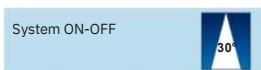
Voltage Luminer	Model Number	Wattage	Voltage Driver	IP
DC 24V	NNP96971	60W	AC 220-240V	67
	NNP96973	100W		
	NNP96979	150W		
	NNP96975	200W		
	NNP96977	300W		

Driver refer to page 56

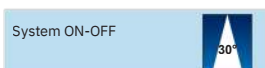
Mono Color Type



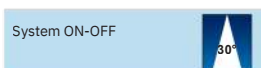
System ON-OFF
NNP30650GL
10W•850lm • 85lm/W
AC 100-240V • 50/60Hz



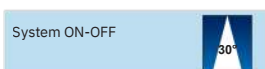
System ON-OFF
NNP31650GL
20W•1700lm • 85lm/W
AC 100-240V • 50/60Hz



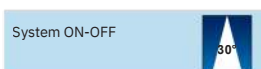
System ON-OFF
NNP32650GL
30W•2550lm • 85lm/W
AC 100-240V • 50/60Hz



System ON-OFF
NNP33650GL
60W•5100lm • 85lm/W
AC 100-240V • 50/60Hz



System ON-OFF
NNP33651GL
75W•6375lm • 85lm/W
AC 100-240V • 50/60Hz



System ON-OFF
NNP34650GL
120W•10200lm • 85lm/W
AC 100-240V • 50/60Hz

20 Watt (RGBW & Mono)



30 Watt (RGBW & Mono)



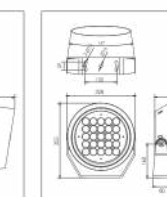
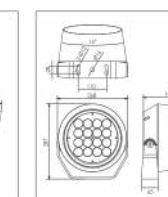
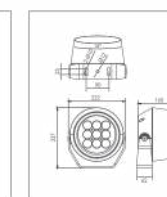
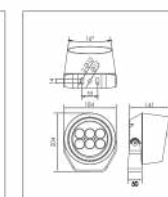
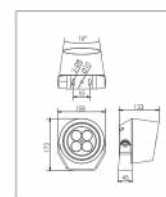
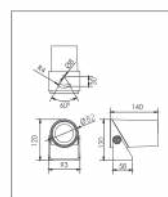
45 Watt (RGBW)
60 Watt (RGBW)



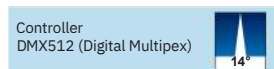
60Watt (Mono)
75 Watt (RGBW & Mono)
100 Watt (RGBW)



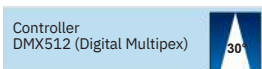
120 Watt (Mono)
200 Watt (RGBW)



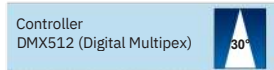
RGBW Color Type



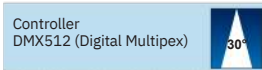
Controller
DMX512 (Digital Multiplex)
NNP30850GL
8W•360lm
DC 24V



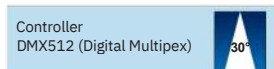
Controller
DMX512 (Digital Multiplex)
NNP31850GL
20W•900lm
DC 24V



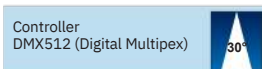
Controller
DMX512 (Digital Multiplex)
NNP32850GL
30W•1350lm
AC 100-240V • 50/60Hz



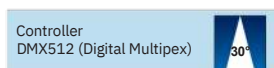
Controller
DMX512 (Digital Multiplex)
NNP33851GL
45W•2025lm
AC 100-240V • 50/60Hz



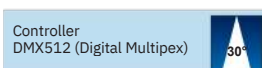
Controller
DMX512 (Digital Multiplex)
NNP33850GL
60W•2700lm
AC 100-240V • 50/60Hz



Controller
DMX512 (Digital Multiplex)
NNP34851GL
75W•3375lm
AC 100-240V • 50/60Hz

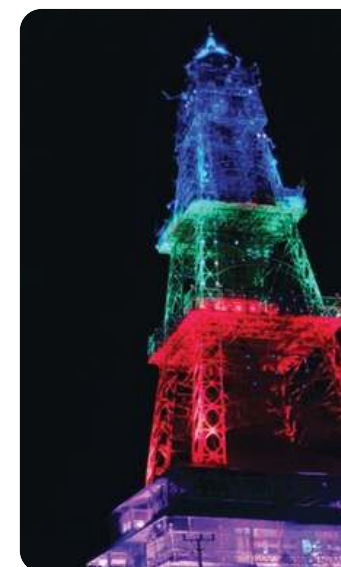


Controller
DMX512 (Digital Multiplex)
NNP34850GL
100W•4500lm
AC 100-240V • 50/60Hz



Controller
DMX512 (Digital Multiplex)
NNP35850GL
200W•9000lm
AC 100-240V • 50/60Hz

Application



RGB Soft Warm
(2700K)

RGBW Warm
White (3000K)

Varian White (3500K)

Cool White (4000K)

Day White (5000K)

Sun Light (5700K)

Cool Daylight (6500K)



Panasonic Decorative

LED Solar Street Light BIO Series

Specification

Ambient Temperature : 30°C

Body : Painted Aluminum Die-Casting

Diffuse : Polycarbonate

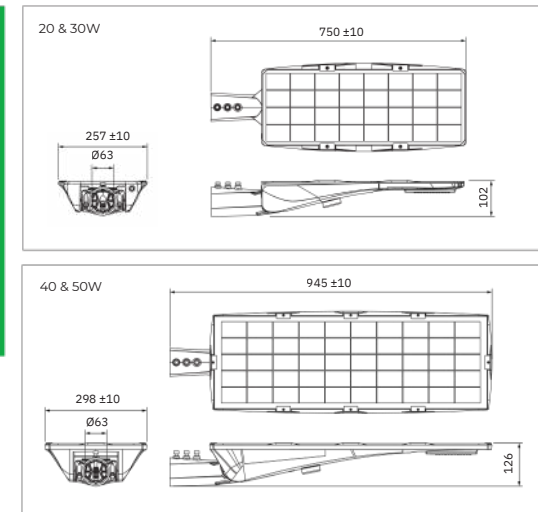
Driver : Included

FEATURES :

- Auto dimming with motion sensor 12 hours.
- Back up time up to 12 hours.



Dimension



Auto Dimming Solar Panel
Mono 30WP Battery
LiFePO4 256WH



NSP32210GL
20W • 2600lm • 130lm/W
DC 12,8V / 20Ah

3000K
CRI 80

Auto Dimming Solar Panel
Mono 30WP Battery
LiFePO4 256WH



NSP32211GL
20W • 3200lm • 160lm/W
DC 12,8V / 20Ah

3000K
CRI 80

Auto Dimming Solar Panel
Mono 30WP Battery
LiFePO4 256WH



NSP32311GL
30W • 4800lm • 160lm/W
DC 12,8V / 20Ah

3000K
CRI 80

Auto Dimming Solar Panel
Mono 50WP Battery
LiFePO4 384WH



NSP32411GL
40W • 6400lm • 160lm/W
DC 12,8V / 20Ah

3000K
CRI 80

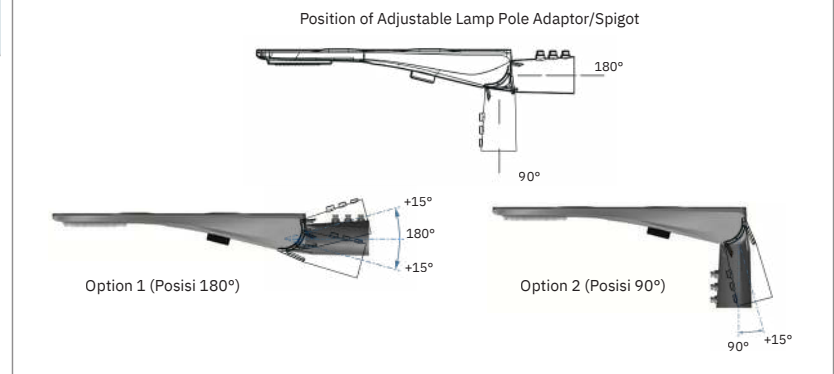
Auto Dimming Solar Panel
Mono 50WP Battery
LiFePO4 384WH



NSP32511GL
50W • 8000lm • 160lm/W
DC 12,8V / 20Ah

3000K
CRI 80

Adjustable lamp pole adaptor/s



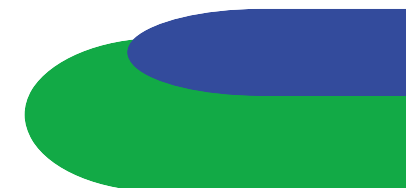
Soft Warm (2700K) Warm White (3000K) Varian White (3500K) Cool White (4000K) Day White (5000K) Sun Light (5700K) Cool Daylight (6500K)



Panasonic Retail

LED Bulb NEO

Item Code	Wattage	Colour Temp
LDAHV3DH9A	3W	6500K
LDAHV3WH9A		4000K
LDAHV3LH9A		3000K
LDAHV5DH9A	5W	6500K
LDAHV5WH9A		4000K
LDAHV5LH9A		3000K
LDAHV7DH9A	7W	6500K
LDAHV7WH9A		4000K
LDAHV7LH9A		3000K
LDAHV9DH9A	9W	6500K
LDAHV9WH9A		4000K
LDAHV9LH9A		3000K
LDAHV11DH9A	11W	6500K
LDAHV11WH9A		4000K
LDAHV11LH9A		3000K





Panasonic Retail

LED Bulb NEO

Item Code	Wattage	Colour Temp
LDAHVI3DH9A	13W	6500K
LDAHVI3WH9A		4000K
LDAHVI3LH9A		3000K
LDAHVI5DH9A	15W	6500K
LDAHVI5WH9A		4000K
LDAHVI5LH9A		3000K
LDAHVI8DH8A	18W	6500K
LDAHV20DH8A	20W	6500K
LDAHV23DH8A	23W	6500K
LDAHV30DH8A	30W	6500K



Soft Warm (2700K) Warm White (3000K) Varian White (3500K) Cool White (4000K) Day White (5000K) Sun Light (5700K) Cool Daylight (6500K)



Panasonic Retail

LED Bulb NEO (4 Pack)

Item Code	Wattage	Colour Temp
LDAHV3DH9A4T	3W	6500K
LDAHV3WH9A4T		4000K
LDAHV3LH9A4T		3000K
LDAHV5DH9A4T	5W	6500K
LDAHV5WH9A4T		4000K
LDAHV5LH9A4T		3000K
LDAHV7DH9A4T	7W	6500K
LDAHV7WH9A4T		4000K
LDAHV7LH9A4T		3000K



Soft Warm (2700K) Warm White (3000K) Varian White (3500K) Cool White (4000K) Day White (5000K) Sun Light (5700K) Cool Daylight (6500K)



Panasonic Retail

LED Bulb NEO (4 Pack)

Item Code	Wattage	Colour Temp
LDAHV9DH9A4T	9W	6500K
LDAHV9WH9A4T		4000K
LDAHV9LH9A4T		3000K
LDAHV11DH9A4T	11W	6500K
LDAHV11WH9A4T		4000K
LDAHV11LH9A4T		3000K
LDAHV13DH9A4T	13W	6500K
LDAHV13WH9A4T		4000K
LDAHV13LH9A4T		3000K
LDAHV15DH9A4T	15W	6500K
LDAHV15WH9A4T		4000K
LDAHV15LH9A4T		3000K





Panasonic Retail

LED NEO Slim Downlight

Item Code	Wattage	Colour Temp
NNP71272	6W	3000 K - Warm White
NNP71279		4000 K - Cool White
NNP71278		6500 K - Cool Daylight
NNP72272	9W	3000 K - Warm White
NNP72279		4000 K - Cool White
NNP72278		6500 K - Cool Daylight
NNP73472	12W	3000 K - Warm White
NNP73479		4000 K - Cool White
NNP73478		6500 K - Cool Daylight



Round



Panasonic Retail

LED NEO Slim Downlight

Item Code	Wattage	Colour Temp
NNP74472	15W	3000 K - Warm White
NNP74479		4000 K - Cool White
NNP74478		6500 K - Cool Daylight
NNP74572	18W	3000 K - Warm White
NNP74579		4000 K - Cool White
NNP74578		6500 K - Cool Daylight
NNP71254	6W	3000 K - Warm White
NNP71250		4000 K - Cool White
NNP71255		6500 K - Cool Daylight
NNP72254	9W	3000 K - Warm White
NNP72250		4000 K - Cool White
NNP72255		6500 K - Cool Daylight



Round



Square



Panasonic Retail

Emergency Light

Item Code	Wattage	Colour Temp
LDR300N	2,5W x 2	5000 K - Day White
LDR400NP	6W x 2	





Explosion Proof Light Specialist



Bay 51 Q-Series LED
Ambient Temperature : -20C~+55C
IP : 66



HRV 97 Series LED Light
Fittings
Ambient Temperature : -40C~+60C
IP : 66



HRD 91 Series LED
Ambient Temperature :
T6/T80C for Tamb:-20C1~+43C
T5/T95C for Tamb: -20C~+58C
IP : 66



HRJ Series LED
Emergency Light
Ambient Temperature : -40C~+60C
IP : 66





Explosion Proof Light Specialist



BSZD 81 C Series Caution Spotlight Fittings

Ambient Temperature : -40C~+55C
Degree of Protection : IP65



BBJ 86 Audio & Visual Caution Spotlight Fittings

Ambient Temperature : -60C~+60C
Degree of Protection : IP66





Explosion Proof Light Specialist



BDD 91 Light Fittings

Ambient Temperature : -60C~+55C
Degree of Protection : IP66



BAT 53 Series Floodlight

Ambient Temperature : -60C~+55C
Degree of Protection : IP66



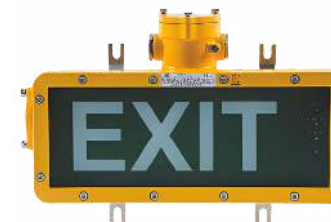
BAM 52 Series Street Lamps

Ambient Temperature : -40C~+55C
Degree of Protection : IP66



BAYD 85 LED Emergency Exit Light Fittings

Ambient Temperature : 4W: IIB/IIIC for tamb: -60°C~+60°C
IIC for tamb: -40°C~+60°C
8W: IIB/IIIC for tamb: -60°C~+58°C (others voltage) IIB/IIIC
for tamb: -60°C~+60°C (12~48V AC/DC)
IIC for tamb: -40°C~+58°C (others voltage)
IIC for tamb: -40°C~+60°C (12~48V AC/DC)
Degree of Protection : IP66





Explosion Proof Bulk Material



BZM Series Illumination Switches

Ambient Temperature : -60C~+60C
Degree of Protection : IP66



BHD 51 Series Junction Box

Ambient Temperature : -60C~+60C
Degree of Protection : IP66



BXJ Series Terminal Boxes

Ambient Temperature :
T5/T95C for Tamb:-60C < tA<+55C
T6/T80C for Tamb:-60C < tA<+40C
Degree of Protection : IP66



BZJ Series Control Station





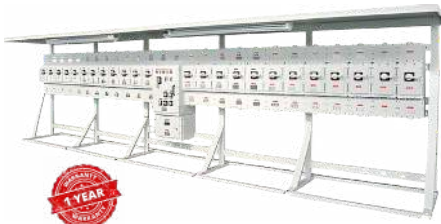
Explosion Proof Bulk Material



BQD Series Motor Starters



BXM(D) 53 Series
Distribution Boxes



HRMD 93
Distribution Panels



DQM Series Cable Glands





Light Fixtures



Tiur Series

The Tiur light series excels with a remarkable 180 lm/W high luminaries efficacy and user-friendly maintenance design. With a power range from 30 to 200W in 5 sizes, it effortlessly caters to diverse lighting needs, making it a cost-effective solution for various projects, shortens the payback time, and provides a better return on investment.

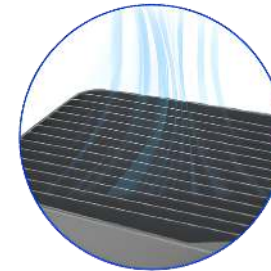
Easy & Safe Maintenance

Access the driver compartment from below with two screws, and the cover won't fall off due to its hinged design



Optimized Thermal Design

With airflow through heat sink



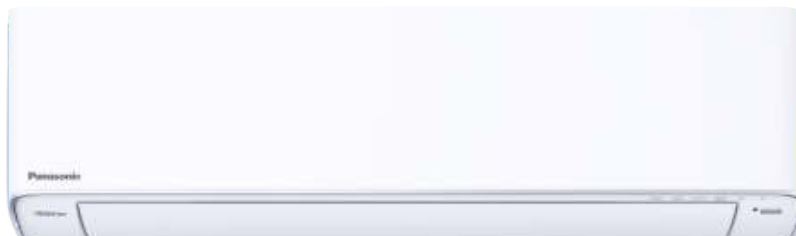


HVAC

To provide broad selections of Air Conditioner system while layering customer with comfort from global brand reputation, we partnered up with Panasonic and HAIER (Aqua).

Panasonic HVAC systems are engineered to deliver high-efficiency climate control through advanced inverter technology and intelligent airflow management. Designed to support sustainable energy consumption, these systems reduce operational costs while maintaining optimal indoor comfort. With refined, modern aesthetics and precision manufacturing standards, Panasonic solutions ensure quiet operation, long-term reliability, and enhanced air quality performance for commercial and professional environments.

Aqua (HAIER) HVAC systems provide price advantage, dependable cooling, and heating performance supported by energy-efficient technology and smart control features. Built to promote sustainable power usage, these systems balance operational effectiveness with environmental responsibility. Featuring sleek, contemporary designs and durable components, AQUA solutions deliver consistent comfort, efficient airflow distribution, and practical value for residential, commercial, and project-based applications.



Panasonic
Page 6-13
TKDN >40%



Aqua
Page 12-14
TKDN 0%





HVAC (Air Conditioner System) Category

Residential Air Conditioner RAC Efficient and compact air conditioning solutions for residential, offering reliable performance, energy savings, and enhanced indoor comfort	Multi Split Air Conditioner MS A space-saving system connecting multiple indoor units to one outdoor unit, providing flexible installation and independent temperature control	Packaged Air Conditioner PAC Commercial-grade air conditioning with versatile installation types, delivering powerful cooling and uniform airflow for medium to large spaces	Industrial Air Conditioner IAC High-capacity systems designed for industrial environments, ensuring durable performance and effective cooling under demanding conditions	Variable Refrigerant Flow VRF Advanced centralized air conditioning system enabling multiple indoor connections with precise temperature control and high energy efficiency.	Absorption Chiller ABS Large-scale cooling solution utilizing thermal energy sources to optimize electricity consumption while maintaining stable chilled water performance.
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Panasonic

Residential Air Conditioner (RAC)





Panasonic

Residential Air Conditioner (RAC)

Type	PK	TKDN	TKDN + BMP
XU	1 PK - 2,5 PK	-	-
RU	0.5 PK - 1 PK	-	-
PU	0,5 PK - 3 PK	35,92%	15,00%
PN	¾ PK - 2,5 PK	36,58%	15,00%
LN	0,5 PK - 1,5 PK	36,38%	15,00%



as listed on

Panasonic

Multi Split Air Conditioner (MS)





Panasonic

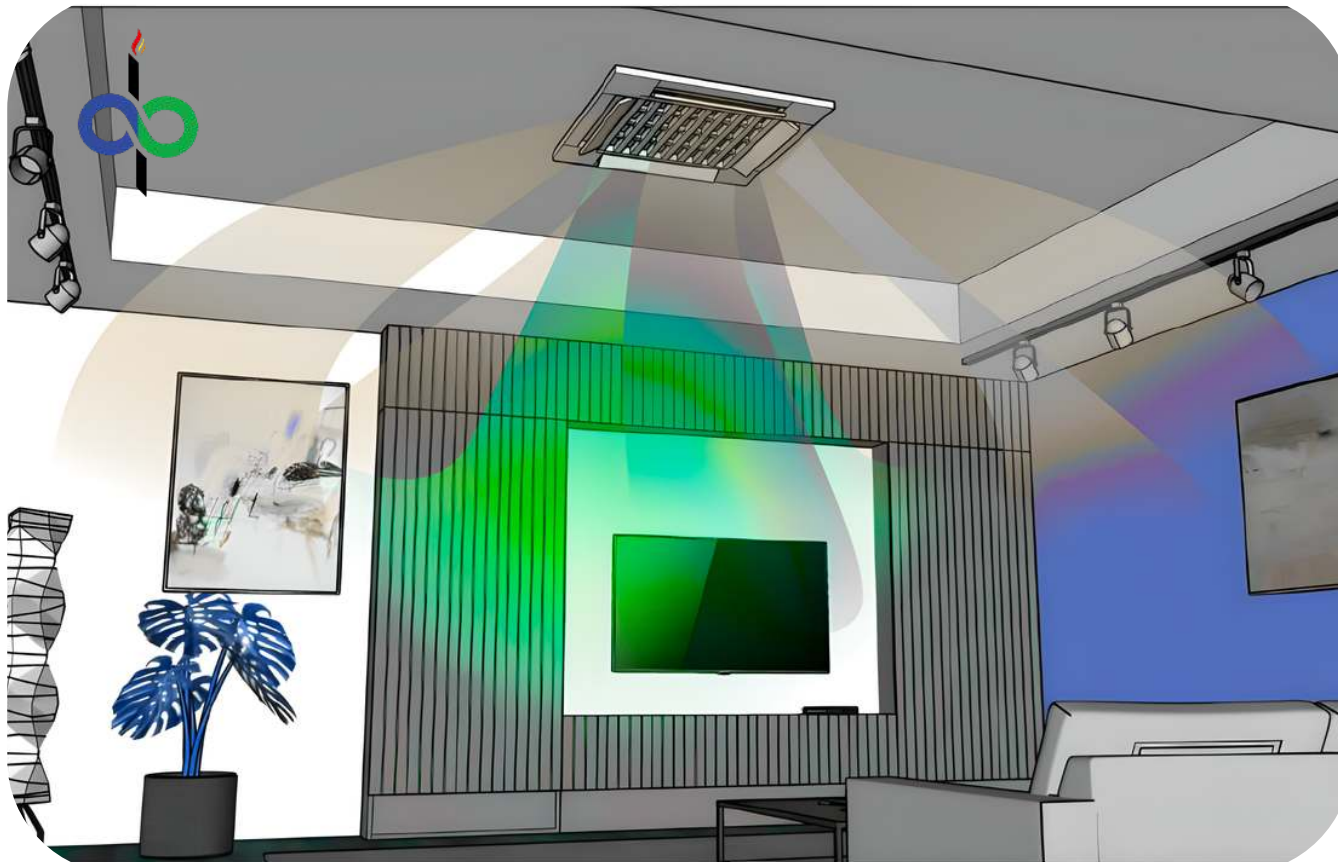
Multi Split Air Conditioner (MS)

Model	System 2	System 3	System 4	
	CU-2U18YBZ	CU-3U27YBZ	CU-4U28YBZ	CU-4U36YBZ
Capacity Range (kW) Rated (Min - Max)	 5.10 (1.50 - 6.10)	 7.50 (2.80 - 9.50)	 8.00 (2.80 - 10.20)	 9.50 (2.90 - 11.50)



Panasonic

Packaged Air Conditioner (PAC)



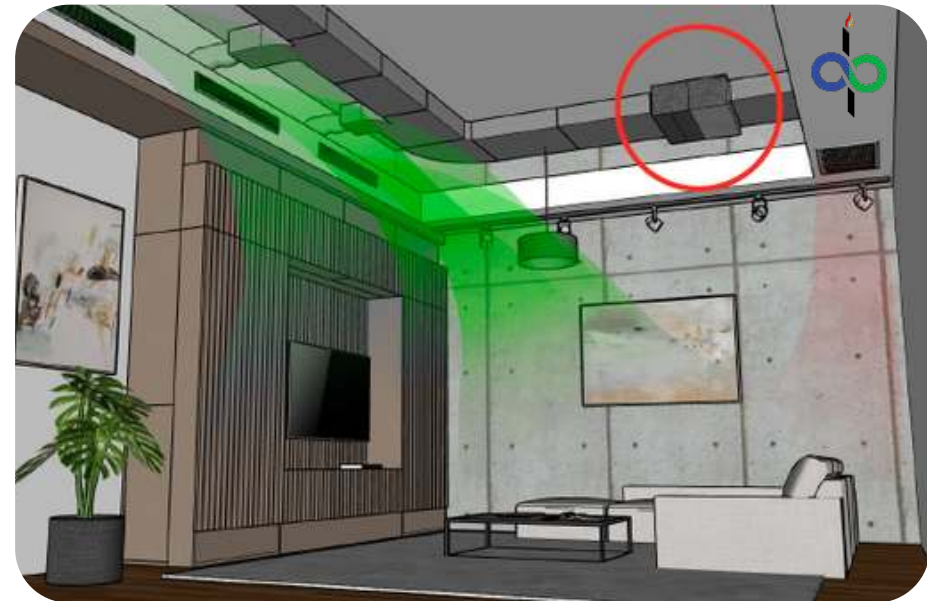
Simplistic Design Broader Reach

Packaged Air Conditioners (PAC) are engineered for commercial spaces requiring higher capacity and versatile installation options, including cassette, ducted, ceiling, and floor-standing types. These systems ensure uniform airflow distribution, reliable performance, and professional climate control for medium to large areas.



Panasonic

Packaged Air Conditioner (PAC)



DUCTED VERTICAL (Left Picture) & DUCTED HORIZONTALLY (Right Picture)

The design enhances interior aesthetics by keeping the AC unit unobtrusive and out of direct view. Installation options include ceiling-suspended placement (above the ceiling) or vertical floor-standing configuration to accommodate various layout needs.



Panasonic

Packaged Air Conditioner (PAC)



FLOOR STANDING (Left Picture) & CEILING EXPOSED (Right Picture)

Floor Standing: Designed for high-ceiling or open-void environments, the floor-standing indoor unit delivers consistent airflow distribution, maintaining optimal cooling performance across the occupied area.

Ceiling Exposed: The unit is ceiling-mounted beneath the ceiling panel, providing an efficient and space-conscious installation. Certain models support vertical floor installation, making them ideal for long or narrow spaces requiring balanced airflow distribution.



Panasonic

Packaged Air Conditioner (PAC)



4-Way
Casette

2 PK s.d 6 PK
INVERTER / NON INVERTER
FREON R32

2 PK s.d 6 PK
INVERTER / NON INVERTER
FREON R32

Ducted



Ceiling

2 PK s.d 6 PK
INVERTER / NON INVERTER
FREON R32

2 PK s.d 6 PK
INVERTER / NON INVERTER
FREON R32

Floor
Standing





Panasonic

Industrial Air Conditioner (IAC)

Non-Inverter Industrial Ducted Indoor Unit PEY

5/6/10 PK

8/13/15/20/25 PK

- ESP range from 150 Pa to 200 Pa
- Big capacities 5 to 25 PK



S-48/60/100PEY1H5 S-75/125/150/200/250PEY1H5

Non-Inverter Industrial Floor Standing Indoor Unit PBY

6/8 PK

10 PK

- Long distance air flow
- 3 Speed fan selectable
- Auto restart function
- Wall pad controller on the front panel



S-60/75PBY1H5

S-100PBY1H5

For Your High Performance Needs

High-capacity systems designed for industrial environments, ensuring durable performance and effective cooling under demanding conditions.

Non-Inverter Industrial Outdoor Unit PVY

R410A

5/6 PK

8/10/13/15 PK

20/25 PK



U-48/60PVY1H8

U-75/100/125/150PVY1H8

Multi outdoor
U-200/250PVY1H8

- Side and Top discharge / low noise (67-74 dBA)
- High efficiency scroll compressor
- Phase reversal protection device
- High/Low pressure protection device



Panasonic

Variable Refrigerant Flow (VRF)

FSV EX Full System VRF Line Ultra		Mini-FSV	
ME2 Series 8 – 80 PK  U-8/10/12/14/16/18/20 ME2H7 (3 phase)	NEW MS3 Series 8 – 96 PK COOLING ONLY  U-8/10/12/14/16/18/20/22/24 MS3H7 (3 phase)	LE2 Series 4 – 6 PK  U-4/5/6 LE2H4 (1 phase) U-4/5/6 LE2H7 (3 phase)	LE1 Series 8 – 10 PK  U-8/10 LE1H7 (3 phase)
Kombinasi 1-4 Unit Outdoor Koneksikan hingga 64 Unit Indoor  MS3 Movie		Koneksikan hingga 9* Unit Indoor * 4 PK (7 unit), 5 PK (8 unit), 6 PK (9 unit)	Koneksikan hingga 13 Unit Indoor



Panasonic

Variable Refrigerant Flow (VRF)

Model	TKDN(%)	TKDN+BMP(%)
S-28MU2E5BP	12,71	24,56
S-36MU2E5BP	12,71	24,56
S-45MU2E5BP	12,70	24,55
S-56MU2E5BP	12,70	24,55
S-60MU2E5BP	12,63	24,48
S-73MU2E5BP	12,63	24,48
S-90MU2E5BP	12,63	24,48
S-106MU2E5BP	12,40	24,25
S-140MU2E5BP	12,40	24,25
S-160MU2E5BP	12,40	24,25

Model	TKDN(%)	TKDN+BMP(%)
S-45MK2E5AP	11,59	23,44
S-56MK2E5AP	11,59	23,44

Efficient Flow for Concourse Design

Advanced centralized air conditioning system enabling multiple indoor connections with precise temperature control and high energy efficiency.



HVAC Outdoor Unit



MRV 5

Series	Power Supply (Ph/V/Hz)	HP	8	10	12	14	16	18	20	22		24	26	28	30	32	34	36	38	40	42
		kW	25.2	28.0	33.5	40.0	45.0	50.4	56.0	61.5		68.0	73.5	80.0	85.0	90.0	95.0	101.0	106.5	112.0	117.5
MRV 5	3/380~415/50/60 AV**IMVEVS																				
																					
			Maximum combination: 4 modules				Maximum capacity: 104HP														
MRV 5-C	3/380~415/50/60 AV**NMVQVA																				
																					
			Maximum combination: 4 modules				Maximum capacity: 112HP														

MRV 7 S

Series	Power Supply (Ph/V/Hz)	HP kW	3 8.0	4 12.6	5 14.0	6 15.5	7 18.0		8 22.6	10 28.0	12 33.5	14 40.0	16 45.0	18 50.4
MRV7S-H (Standard)	1/220~240/50/60 3/380~415/50/60 AU***FCERL				●	●	●							

* Coming soon

Connection Kit

EASY MRV				DX AHU2 Connection Kit					
Model	MS1-036A	MS1-060A	MS3-036A	Model	AH1-070B	AH1-140B	AH1-280B	AH1-560B	AH1-730B
Match with indoor	1 by 1	1 by 1	1 by 3	Capacity	3.5≤x≤7kW	7<x≤14kW	14<x≤28kW	28<x≤56kW	56<x≤73kW
EASY MRV Connection Kit									
Capacity(Btu/h)	≤36K	36K<X≤60K	Every indoor capacity ≤36K						
MRV series	MRV 5-H, MRV 5, MRV5T-H, MRV 5 T3, MRV 5-C, MRV SII (4/5/6/8/10/12HP Double fan)			MRV series	MRV 5-H, MRV 5, MRV5T-H, MRV 5 T3, MRV 5-C, MRV SII (4/5/6/8/10/12HP Double fan)				



AQUA

HVAC Outdoor Unit MRV 5



Smart link

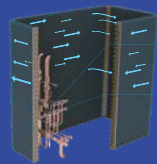
Wireless connection and communication between indoor units.

- Labor saving
- Automatic network connection
- Convenient maintenance
- Stable performance
- Total cost saving is about 30%



Design of control condenser with electronic expansion valve

The condenser is controlled by two electronic expansion valves respectively, which can reasonably use the heat exchanger area according to the demand of IDU heat exchange temperature, distribute the refrigerant flow according to the load demand, to ensure high-performance heat exchange efficiency.



Close the EEV 2 and refrigerants don't flow

Each of the two EEV controls one side of the condenser independently to ensure that the heat exchange area of the outdoor unit matches with the indoor load.

* Class 3000 EEV customized for outdoor unit and Class 2000 EEV customized for indoor unit

Total pipe length 1000m, height drop 110m

• Max. total pipe length 1000m • Max. actual pipe length 220m • Max. equivalent pipe length 260m • Max. drop between IDU&ODU / 90m (outdoor unit up) / 110m (outdoor unit down)* • Max. drop between IDU&IDU 30m

* If the drop between IDU and ODU more than 70m, please contact your local dealer



High Efficiency

Super efficiency with full DC inverter compressor

Matches up inverter with step less compressor, the durability and stability of the compressor are guaranteed, fault can be reduced.

Each compressor is adopted oil temperature sensor and the discharge temperature sensor, detecting the discharge temperature and oil temperature of compressor, cooperated with the compressor frequency and the EEV control, to ensure exhaust heat and oil temperature superheat kept within the optimal range. Ensure that the oil dilution is maintained at a safe level at all times.

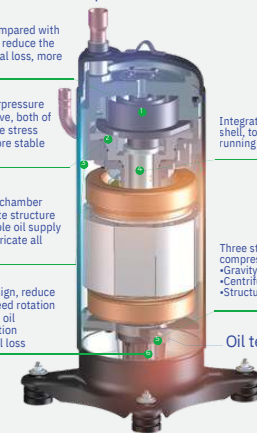
Soft scroll plate design, compared with the common scroll plate, it reduce the leakage loss and mechanical loss, more efficiency

The soft structure and overpressure protection of unloading valve, both of them can effectively reduce stress loss. The compressor is more stable and also efficiency

We adopted high pressure chamber compressor, and low oil rate structure design, to ensure the reliable oil supply of the compressor, and lubricate all parts effectively

Adopt new type oil cup design, reduce the disturbance of high speed rotation to oil level, also reduce the oil discharge, improve lubrication efficiency, reduce frictional loss

Exhaust temperature sensor



Integrated design of support and shell, to ensure the compressor running stably

Three stage oil return inside the compressor:
• Gravity oil return
• Centrifugal oil return
• Structure shelter oil return

Oil temperature sensor

Stepless inverter DC motor

Outdoor unit matches efficient variable-speed DC-motor, driven by sine wave, wider efficiency range and torque range, motor efficiency is increased by 17%. air fan of outdoor unit can achieve 0~91Hz stepless frequency.



New one-piece of 4-way heat exchanger



MRV 5



AQUA

HVAC Outdoor Unit MRV 5-C



Wide voltage operation

The new MRV 5-C adopt wide voltage filter board, this can insure the unit stable working in voltage range between 310V~460V(note: outdoor unit).



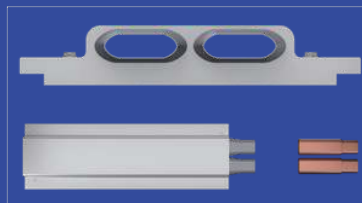
Advanced direct refrigerant cooled PCB

Traditional refrigerant cooling: firstly copper tube cooling fin, then the fin cooling compressor drive module. Three layers of heat resistance heat exchange, cause large cold loss. Haier directly refrigerant cooling:refrigerant directly into the fin interior, the fin cooling compressor drive module, reducing a layer of heat resistance. Under the same operating condition, the temperature of the compressor drive module is lowered by 8°C, to ensure that the whole unit can continue to work under the high temperature of 53 °C.

*Integral design, the heat fin and PCB board fit more closely, high cooling efficiency. There will be no condensation, more safety



Competitive refrigerant heat dissipation

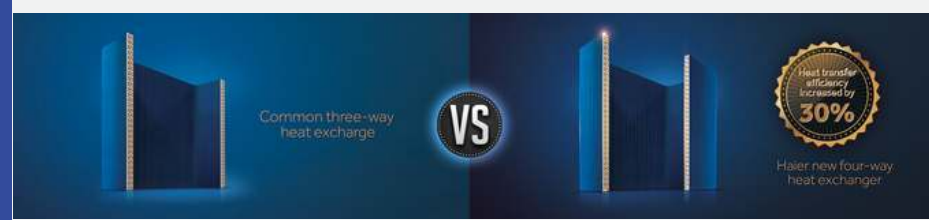


Haier direct cooling refrigerant heat dissipation

Directly cooling PCB technology:
Cooling refrigerant in to the heat exchanger pipe directly, then the heat exchanger pipe cooled the compressor driver module. reduce heat loss, high cooling effect.

High Efficiency

New one-piece of 4-way heat exchanger

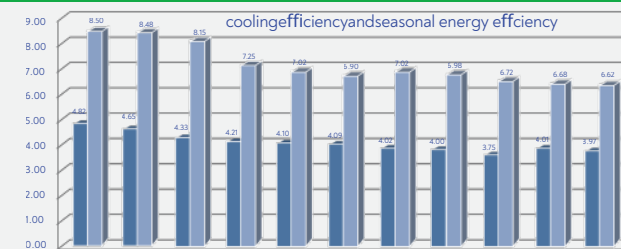


DC inverter compressor

- Adopt double rotor compressor, high efficiency in low frequency, bring better seasonal energy efficiency
- The efficient oil separation design of the compressor improves the performance of separating oil and refrigerant.
- The compressor adopts the movement of oil pipe design, increase the oil volume, at the same time also suck the oil at the bottom when lack of oil.
- The compressor adopts steel crankshaft (originally cast iron crankshaft) to increase the hardness and reliability, reduce the noise.



IPLV up to 8.5 (8HP), EER up to 4.82 (8HP)





AQUA

HVAC Outdoor Unit MRV 7-S



Small delivers big

The height is only 840mm (single fan), can be installed by the wall or window is optional, more flexible.

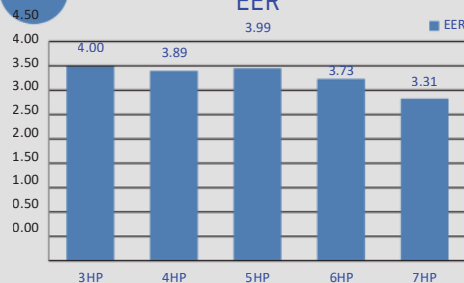
Double stack installation to maximize the use of installation space.



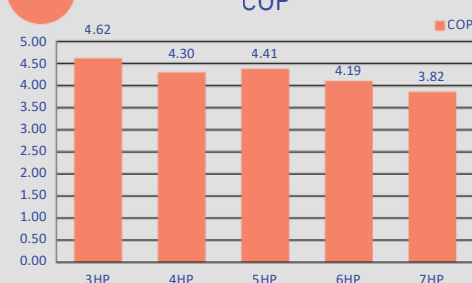
High efficiency

Full DC inverter technology, according to the actual heat dissipation, adjust the load, the operation efficiency is higher.

4.0



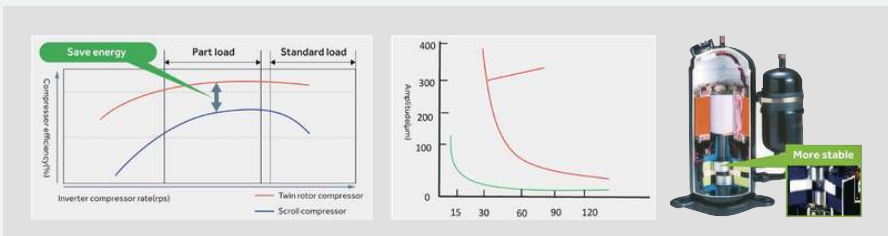
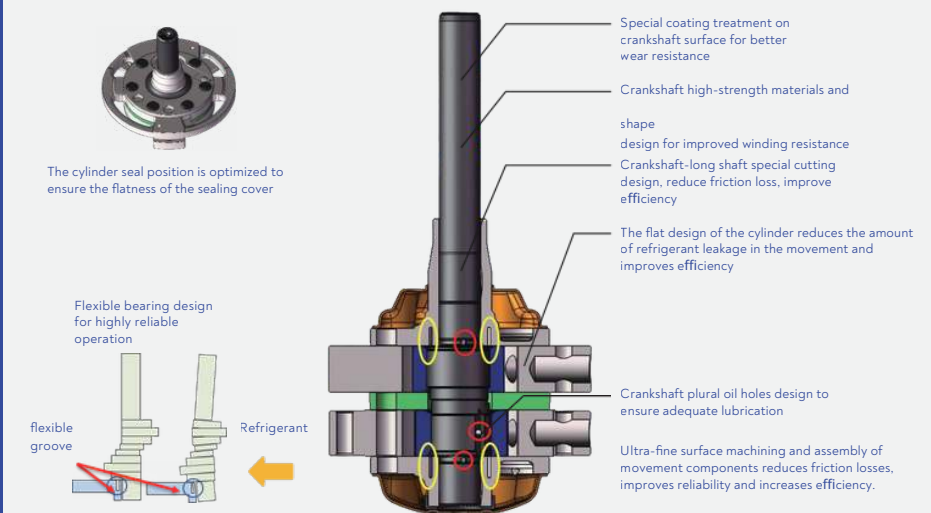
4.62



Super Energy Saving

ME DC Inverter twin rotary compressor

High efficiency ME inverter twin rotary compressor, compact design Efficient DC inverter two-rotor compressor, compact design, compared with scroll compressor, smaller volume, high efficient operation, partial load operation efficiency is higher.





HVAC Outdoor Easy MRV Connection Kit



Easy MRV system introduction

Haier easy MRV kit provides a solution to connect super match indoor units with MRV outdoor units.

MRV outdoor

Connection kit

Indoor

Super Match I Capacity ≤ 36K

Super Match II 36K < Capacity < 60K

Super Match III Capacity ≤ 36K

MRV Indoor

Intergraded system solution

Connect MRV with super match together.

MRV Indoor

MRV Outdoor

Super Match

Indoor

Easy MRV line-up

Easy MRV kits provide a solution to connect super match indoor units with MRV outdoor units.

OUTDOOR	MRV5-H	MRV5	MRV IV	MRV III-CPLUS MRV III(2-Pipe)	MRV SII						MRV SI				
															
HP	8-26	8-26	8-24	8 - 16	4	5	4	5	6	8	10	12	3	5	7
Power supply	3Ph/380-415V/50Hz 3Ph/380-415V/60Hz	3Ph/380-415V/50Hz 3Ph/380-415V/60Hz	3Ph/380-400V/50/60Hz 3Ph/208-230V/50/60Hz	3Ph/380-400V/50/60Hz 3Ph/208-230V/60Hz 3Ph/480V/60Hz	1Ph/220-240V/50Hz 1Ph/220-240V/60Hz	3Ph/380-415V/50/60Hz 3Ph/380-415V/60Hz	3Ph/380-400V/50/60Hz 3Ph/380-400V/60Hz	3Ph/380-400V/50/60Hz 3Ph/380-400V/60Hz	3Ph/380-400V/50/60Hz 3Ph/380-400V/60Hz	3Ph/220-230V/50/60Hz 3Ph/220-230V/60Hz	3Ph/220-230V/50/60Hz 3Ph/220-230V/60Hz	3Ph/220-230V/50/60Hz 3Ph/220-230V/60Hz	3Ph/380-400V/50/60Hz 3Ph/380-400V/60Hz	3Ph/380-400V/50/60Hz 3Ph/380-400V/60Hz	3Ph/380-400V/50/60Hz 3Ph/380-400V/60Hz
Valve Box															
	MS1-036A(1:1)			MS1-060A(1:1)			MS3-036A(1:3)								

Easy MRV super match indoor

Easy MRV indoor is universal indoor unit with super match.

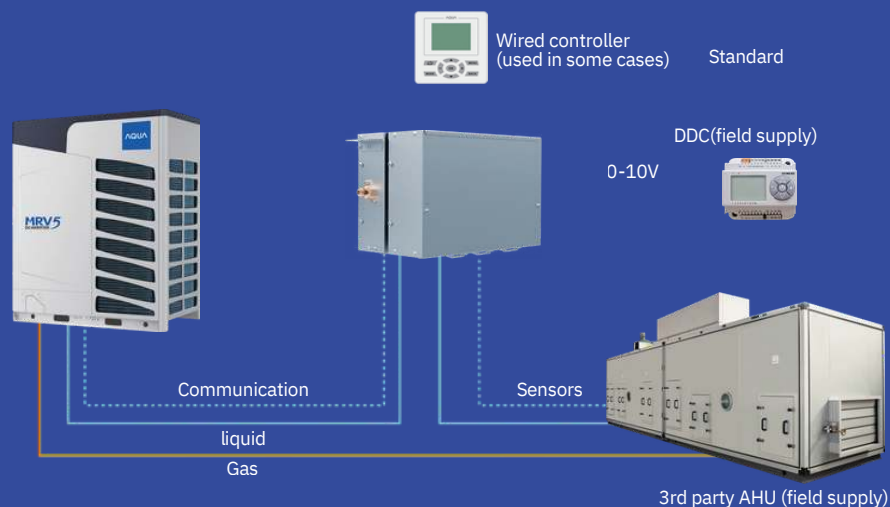
RAC Indoor Unit				
Flexis	Expert	Jade	Pearl	IES
 AS20S2SF1FA-MB(M) AS50S2SF1FA-MB AS20S2SF1FA-MW(M) AS50S2SF1FA-MW AS25S2SF1FA-MB AS71S2SF1FA-MB AS25S2SF1FA-MW AS71S2SF1FA-MW AS35S2SF1FA-MB AS35S2SF1FA-MW AS35S2SF1FA-MW	 AS20XCAHRA AS25XCAHRA AS35XCAHRA AS50XCAHRA	 AS25S2S31FA-3 AS35S2S31FA-3 AS50S2S31FA-3	 AS20PBAHRA AS25PBAHRA AS35PBAHRA AS50PBAHRA AS68PBAHRA	 AS20S2SF2FA-3 AS25S2SF2FA-3 AS35S2SF2FA-3 AS50S2SF2FA-3 AS70S2SF2FA-3
Super Match Indoor Unit				
Compact Cassette	Round Way Cassette	Slim Duct	M ESP Duct	H ESP Duct
 AB25S2SC2FA-1 AB35S2SC2FA-1 AB50S2SC2FA-1	 AB71S2SG1FA ABH10SH1ERG ABH12SH1ERG ABH140K1ERG ABH160K1ERG	 AD25S2S31FA(H) AD35S2S31FA(H) AD50S2S31FA(H) AD71S2S31FA(H)	 AD25S2SM1FA(H) AD35S2SM1FA(H) AD50S2SM1FA(H) AD71S2SM1FA(H) AD35S2SM3FA(H) AD160S2SM3FA	 ADH12SH1ERG ADH140H1ERG
Console	Convertible	Cabinet		
 AF25S2SD1FA(H) AF35S2SD1FA(H) AF42S2SD1FA(H)	 AC35S2SG1FA AC50S2SG1FA AC71S2SG1FA AC10S2SH1FA AC12S2SK1FA	 AC140S2K1FA AC160S2K1FA	 AP48K1S1ERA(S) AP60K1S1ERA(S) AP140S2SK1FA(H)	



HVAC Outdoor Easy MRV Connection Kit

System Introduction

We offer a range of connection kit to connect MRV outdoor units to third party DX air handling units.



AHU kit configuration

Haier 2nd generation AHU kit also contains the following 4 parts: The controller model is HW-AA101DBK, special for Haier 2nd generation AHU kit as standard accessory, no need to be purchased separately.

AH1-070B/AH1-140B/AH1-280B

EXV Part

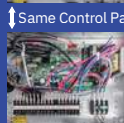
Control Part

Sensor and Wire

Controller



AH1-560B/AH1-730B



System line-up

Haier AHU kit provides a wide range solution for Haier MRV outdoor unit connecting with the 3rd party AHU.

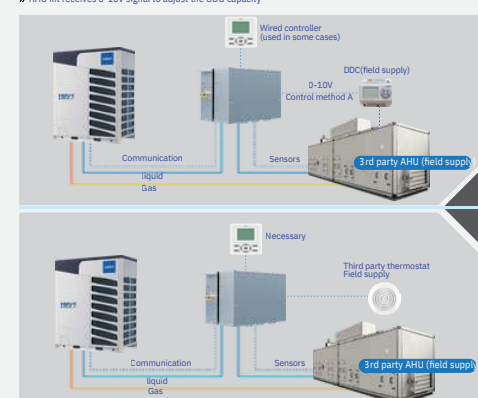
DX AHU2 Connection kit					Special design for MRV5, MRV SII				
Model	AH1-070B	AH1-140B	AH1-280B	AH1-560B	AH1-730B				
Capacity	3.5t Connected AHU capacity ≤ 7kW	7t Connected AHU capacity ≤ 14kW	14t Connected AHU capacity ≤ 28kW	28t Connected AHU capacity ≤ 56kW	56t Connected AHU capacity ≤ 73kW				
Compatibility									
Outdoor	MRV5-H	MRV5	MRV SII						
HP	8-26	8-26	4	5	6	8	10	12	
Power supply	3Ph/380-415V/50/60Hz	3Ph/380-415V/50/60Hz	1Ph/220-230V/50/60Hz	3Ph/380-400V/50/60Hz	3Ph/380-400V/50/60Hz	3Ph/380-400V/50/60Hz	3Ph/380-400V/50/60Hz	3Ph/380-400V/50/60Hz	
AHU & MRV indoor									
	AHU need purchase in market								

Control solutions

Four control methods can be used, which can be switched by dip switch based on the site scenario.

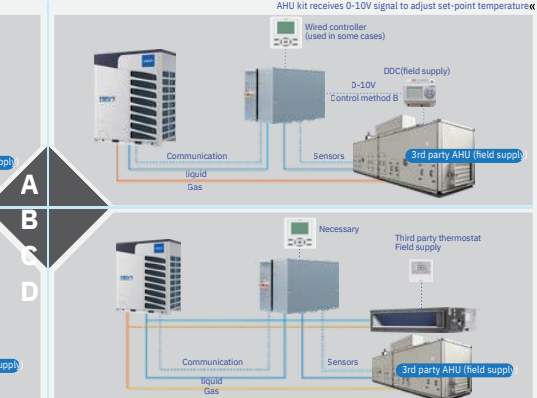
Control method A

- » 0-10V signal output from DDC
- » AHU kit receives 0-10V signal to adjust the ODU capacity



Control method B

- » Control temperature via DDC
- » 0-10V signal output from DDC
- » AHU kit receives 0-10V signal to adjust set-point temperature



Control method C (Special application)

- » Without DDC
- » Haier wired controller is necessary for initial set-up but not required for operation
- » Third party thermostat provides ON/Off signal to AHU kit when the set point temperature reaches.
- » Applicable for some cases with constant cooling or heating demand and insensitive comfort demands

Control method D

- » Similar to original AHU kit V1.0
- » Control AHU as VRF indoor unit
- » Return/ Room temperature control
- » Haier wired controller is used to operate
- » Control method for combination VRF indoor units and 3rd party AHU system



HVAC Indoor Unit



Type	KBTu/h kW			4	5	7	9		12	16	18	24	28	30	38	42	48	54	72	96	136	154	196
				1.3	1.5	2.2	2.8		3.6	4.5	5.6	7.1	8.0	9.0	11.2	12.5	14.0	16.0	22.6	28.0	40	45	56
High Wall		AS***MNERA(B)			•	•	•		•	•	•	•	•	•									
		AS***MFERA(B)		•	•	•	•		•	•	•	•											
Console		AF***MBERA			•	•	•		•	•	•												
1-way Cassette		AB**2MAERAD			•	•	•		•	•	•	•											
2-way Cassette		AB**2MBERAD				•	•		•	•	•	•	•	•	•		•						
Compact Cassette		AB**2MCERA(M)		•	•	•	•		•	•	•												
Round Way Cassette		AB***MNERAB				•	•		•	•	•	•	•	•	•		•	•					
		AB**2MRERA				•	•		•	•	•	•	•	•	•		•	•					
Convertible		AC**2MDERA					•		•	•	•	•	•	•	•		•	•					

*The model name: "A***M*ERL*" means 2-core non-polar communication indoor units. *R32 IDU products will come soon



HVAC Indoor Unit



Type	KBtu/h kW			4	5	7	9		12	16	18	24	28	30	38	42	48	54	72	96	136	154	196
				1.3	1.5	2.2	2.8		3.6	4.5	5.6	7.1	8.0	9.0	11.2	12.5	14.0	16.0	22.6	28.0	40	45	56
Slim Duct (0/15/30Pa)		AD**2MSERA(D)			•	•	•		•	•	•	•											
High ESP Duct (20/200Pa)		AD**2MJERAD AD**2MJERL			•	•	•		•	•	•	•	•	•	•		•	•					
High ESP Duct (100/250Pa)		AD**2MTERAB																	•	•			
High ESP Duct (0/300Pa)		AD**2MTERAD																	•	•	•	•	•
Fresh Air Duct		AD**2MJERAF AD**2MTERAF															•		•	•			
HRV (Heat Reclaim Ventilation)		ERV***ANW 150/260/500/800/1000 m3/h ERV***BNN 150/250/350/500/800/1000/2000 m3/h																					



AQUA

HVAC Indoor Casette Unit



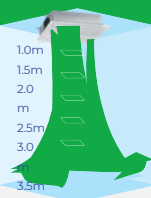
1-way Cassette

Two appearance series and the cooling capacity is from 1.5kW to 7.1kW, give you more flexible choice



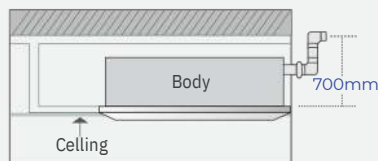
High ceiling design the air reaches the ground

High ceiling design, suitable for ceiling space up to 3.5 meters. (Previous generation unit suitable for 2.7m high ceiling space)



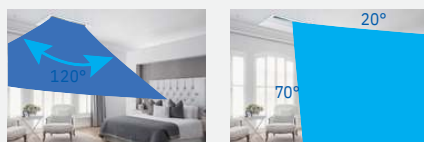
Standard condensate water lifting pump

Equipped with 700mm drain pump, built-in float switch, convenient according to the actual working situation, discharge condensate water from air conditioner.



Super wide angle air supply comfortable

Adopt new DC motor, equipped with up and down, left and right swing wind motor, realize intelligent swing wind control and ultra wide angle air supply range, enjoy comfortable air.

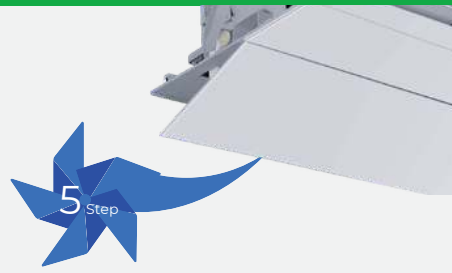


Suitable for corner installation for comfortable and uniform air supply

Compact design, full use of corner space installation, such as small meeting rooms, corridors, etc.; The indoor machine is located in the ceiling, and the panel adopts the integrated design which is generous and beautiful. Suitable for long and narrow rooms, to ensure the uniform distribution of air flow and room temperature.



New butterfly wing air supply, 5 step fan speed is optional, enjoy healthy air



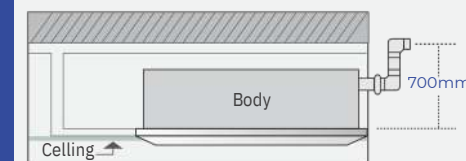
2-way Cassette

New DC series



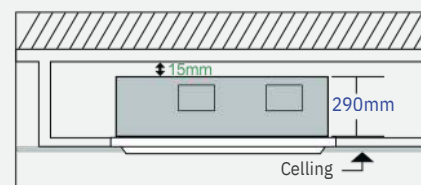
The drain pump lift is 700mm

Adopt high lift and large volume discharge pump, the lift can up to 700mm (from the ceiling).



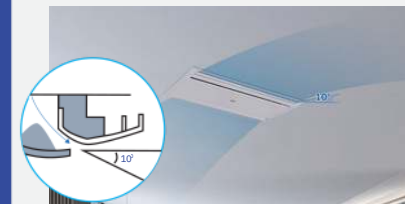
Thin and light design for easy installation

Height is only 290mm, reduce the limitations of installation space. Light weight design to improve installation convenience.



10° laminar flow wind design

10° laminar flow wind, Create a wind field around the whole space, avoid blowing on people directly.



Antibacterial filter

Silver (Ag) is a natural antibacterial material, which has good broad-spectrum antibacterial properties and could motivate bacterial extinction. Haier antibacterial filter has added silver ions and antibacterial organics to kill Escherichia coli & staphylococcus aureus effectively, with long lasting effects.



Fresh air

The preset fresh air inlet can bring the outside fresh air into the room which improve the room air quality. Create fresh and comfort atmosphere.





AQUA

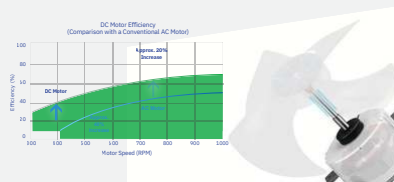
HVAC Indoor Casette Unit



Compact Cassette

DC fan motor

Comparing with conventional AC fan motor, DC fan motor is more efficiency. Motor power input reduced 50% than that with the same power output.



Antibacterial filter

Haier anti bacterial filter has added silver ions and antibacterial organics to kill Escherichia coli & Staphylococcus aureus effectively, with long lasting effects. Panel with antibacterial filter is PB-620KB(H) (Optional).



Easy-access electrical box design

The electrical box located in the unit, and you can just make maintenance by opening the panel, without opening the ceiling.



620*620mm panel

The new 620*620mm panel is very fit for the standard decoration panel, and without covering other things, such as light.

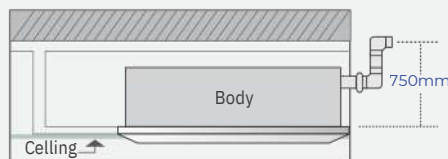
Individual flap control

The four flaps can be controlled individually according to end users by controller, providing maximum comfort throughout the room, it is a good solution to avoid "air conditioning disease".



The drain pump lift is 750mm

Adopt high lift and large volume discharge pump, the lift can up to 750mm (from the ceiling).



Round Way Cassette

Free air supply and flexible control to enjoy a comfortable environment

The outlet adopts stepper motor design to realize the four-direction independent control system.



Quiet operation, create a peaceful space

- High efficiency brushless DC fan motor, achieve step-less adjustment for speed, greatly reduce the noise of operation.
- Optimize the traditional air duct design, adopt sound insulation wall technology, effectively reduce the eddy current range, block the transmission path of noise, effectively reduce the noise about 3dB(A).
- Fan optimization design, using the principle of fluid mechanics, referring to the design of aviation structure, so that the airflow speed distribution is uniform, reduce the airflow resistance, so as to reduce noise, to achieve quiet operation. Note: * Other ac motor standards are optional.



Antibacterial filter



Streamlined outlook design

Buy a traditional grille and a dynamic windmill for multi-choice and multi-enjoyment. Buy a dynamic windmill to enjoy a dynamic mood and relax in the wind.



Energy saving control

The product adopts MOVE EYE module (optional), which can be controlled to realize the function of switch-on when people coming in and switch-off when people leaving.



Thinner design, easy installation



No restriction on hoisting direction



Separation of strong and weak current, high reliability



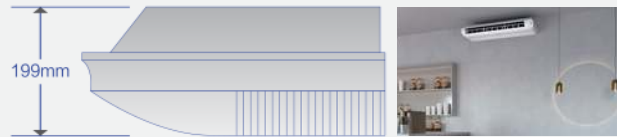


AQUA

HVAC Indoor Unit Convertible Type

Thinner body design, good value option

Thin fuselage thickness is only 199mm (2HP), streamlined design, beautiful and generous, commercial home decoration value choice.



Standard with filter, easy installation

With high efficiency filter, fully filter dust, smoke and other fine particles in the air, improve indoor air quality. Filter is easy disassembly, easy cleaning, reduce cleaning and maintenance operations, so that you enjoy fresh air.



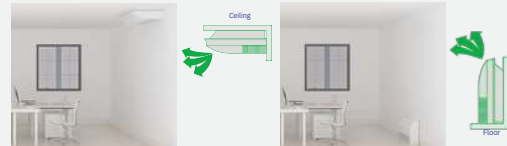
HAPE filter



Filter disassembly

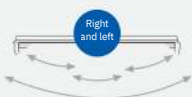
Multiple installation modes flexible optional

Users can choose ceiling installation, also can choose ground installation, convenient for users to choose freely.



5 Angles adjustment, more comfortable

Double swing air motor design, while up and down swing air supply, left and right swing air can also adjust the angle of air supply, realize the full wind level three-dimensional air supply, at the same time provide four speed adjustable, improve user comfort.



5 steps selectable



5 steps selectable

Antibacterial filter

Silver (Ag) is a natural anti bacterial material, which has good broad-spectrum antibacterial properties and could motivate bacterial extinction.

Haier antibacterial filter has added silver ions and antibacterial organics to kill Escherichia coli & staphylococcus aureus effectively, with long lasting effects.





AQUA

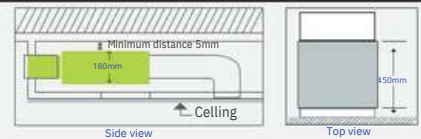
HVAC Indoor Unit Slim Duct



Slim Duct

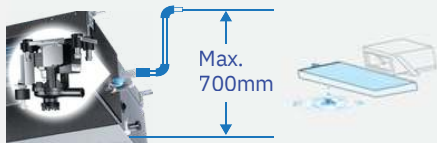
Adjusted ESP super slim save installation space agile and convenient

Fuselage thickness of only 180mm, easy to install in the height of narrow residential ceiling, fuselage depth of only 450mm, save the ceiling area, and fully cooperate with the interior decoration.



High lift-up drain pump

Standard condensate water lifting pump, standard head 700mm, special models customized range up to 1200mm, and built-in float switch, convenient to cooperate with the actual situation of the site, condensate water discharge air conditioning.

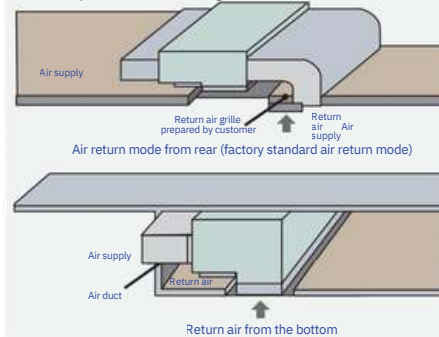


Antibacterial filter



Return air mode selection according to local conditions -- more user-friendly installation

Provide bottom and rear two return air modes, indoor installation more flexible and convenient, users can choose the best installation scheme according to the characteristics of interior decoration. Note: If there is enough installation space, it is recommended to use the side feed back mode, which can effectively reduce the running sound.



Quiet operation

- High efficiency model*High efficiency brushless DC motor, speed stepless adjustment, can achieve seven air supply, greatly reduce operating noise.
- Through the reasonable design of indoor unit thermal components and internal air duct, four block wind speed, silent operation is realized. Note: The standard model of AC motor is also available.

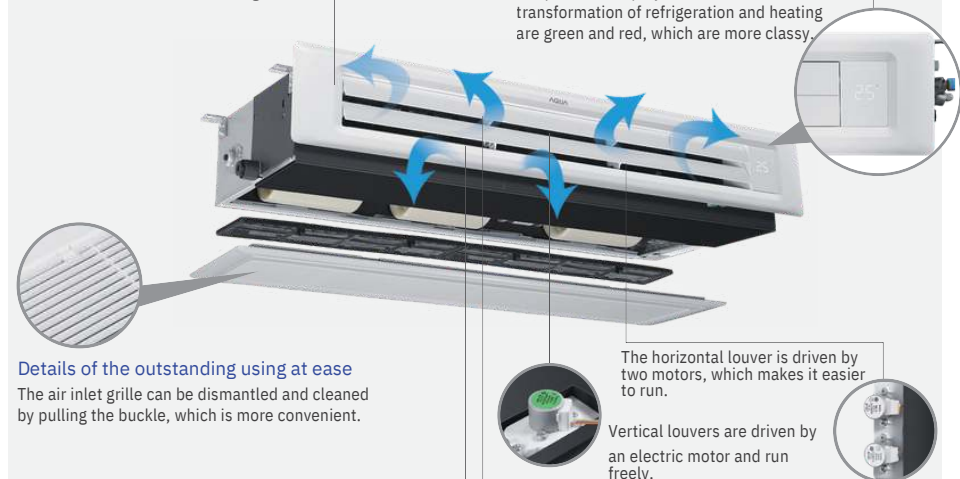
3D three-dimension air supply

With makings fastidious

Air guide plate, shutter adopts PC+ABS, high temperature resistance, Not easy to deform, color and luster lasting.

Sympathetic function

The panel parameters are displayed in invisible mode, which makes it softer. The temperature display and color transformation of refrigeration and heating are green and red, which are more classy.



Details of the outstanding using at ease

The air inlet grille can be dismantled and cleaned by pulling the buckle, which is more convenient.

Fashionable and beautiful

Streamline design, automatic shutdown, no ash accumulation, beautiful atmosphere, hidden installation and home decoration perfect combination, highlight grade.

3D three-dimensional air supply

- Pendulum blade two motor control, vertical louver one motor control, easy to operate.
- Free swing wind between 30-80 degrees up and down, swing wind around 90 degrees, 3D three-dimensional air supply, wide angle of air supply.



AQUA HVAC Indoor Unit Low & Medium ESP Duct



Compact body, small depth, the best choice for hotel

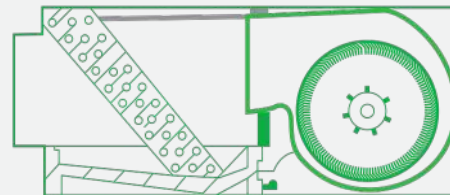
The minimum platform's width is only 550mm, External static pressure 40Pa and 90Pa are optional, easy to install in the narrow width of the hotel and apartment, the platform's depth is only 450mm, saving the ceiling area.

Intelligent air volume regulation



Intelligent air volume regulation

The motor runs with constant air output and the speed is automatically adjustable. When the air conditioner inlet and outlet filter or air duct is blocked, the static pressure of the air duct rises, and the motor can automatically detect the static pressure and automatically adjust the speed, so that the air volume of the air conditioner outlet is not affected, and the cooling or heating effect is not affected



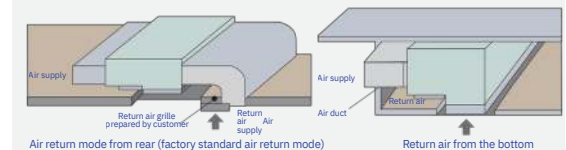
DC Fan motor, quiet operation

Efficient DC brushless motor is used to achieve step-less speed adjustment, and the optimized design of indoor heat transfer components and internal air duct greatly reduces operating noise



Flexible installation

•With two return airmodes at the bottom and back, the installation of indoor units is more flexible and convenient, and users can choose the best installation scheme according to the requirement



•Ceiling installation and floor installation can be optional.

•Internal or external EEV can be optional



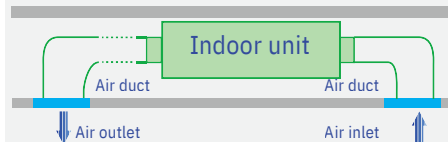


HVAC Indoor Unit Medium ESP & Compact Duct

Medium ESP Duct(50~100Pa)

Static pressure optional, meet different needs

According to users requirements, the static pressure can be adjusted by wire controller instead of the traditional way of changing the red and white terminals. The maximum static pressure of the whole series can reach 100Pa.



Air ducts need to be installed between the indoor unit and the air outlet. When producing long air supply distance, please choose high static pressure.

Hidden design, more beautiful

Thin height design, the unit can be easily placed in the ceiling, only the air outlet exposed, can not feel the existence of indoor unit, so that the indoor space suddenly open.



Antibacterial filter

Silver (Ag) is a natural anti bacterial material, which has good broad-spectrum antibacterial properties and could motivate bacterial extinction.

Haier anti bacterial filter has added silver ions and antibacterial organics to kill escherichia coli & staphylococcus aureus effectively, with long lasting effects.



Free setting air outlet humanization setting

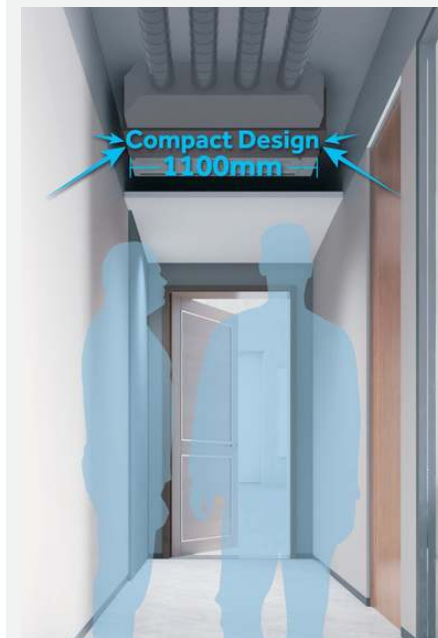
Due to the use of pipe air supply, according to the room environment and user requirements to freely choose the number of air outlet and installation position, fully consider the load of the room and room temperature balance, to achieve a more perfect and comfortable feeling.



Compact Duct (50~120Pa)

Compact design, suitable for hallway installation

The width of the compact duct is only 1100mm, and the height is only 248mm, so it can be well hidden installed in the ceiling of the hallway. The capacity can be 9kW/11.2kW/14kW, meet the needs of 50m²~100 m² area room air conditioning.



Air zone control accessories (optional)

Zoning control systems for ducted AC units: energy savings and comfort, to control a ducted unit with just a single thermostat.



Antibacterial filter

Silver (Ag) is a natural antibacterial material, which has good broad-spectrum antibacterial properties and could motivate bacterial extinction.

Haier antibacterial filter has added silver ions and antibacterial organics to kill escherichia coli & staphylococcus aureus effectively, with long lasting effects.



Five steps pressure choice

The ESP can be selected in five steps with 0/20/50/80/120Pa to suit different ductwork length.





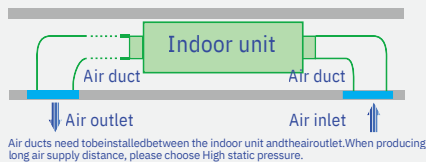
HVAC Indoor Unit High ESP Duct



High ESP Duct (20~200Pa)

Static pressure optional, meet different needs

According to users requirements, the static pressure can be adjusted by wire controller instead of the traditional way of changing the red and white terminals. The maximum static pressure of the whole series can reach 200Pa for model AD05/07/09/12/16/18/24/28MJERAD, 180Pa for model AD30/38/48/54MJERAD



Antibacterial filter

Silver(Ag) is a natural anti bacterial material, which has good broad-spectrum antibacterial properties and could motivate bacterial extinction.

Haier antibacterial filter has added silver ions and antibacterial organics to kill escherichia coli & staphylococcus aureus effectively, with long lasting effects.



Air duct connects more room to share

The unit can connect multiple rooms through air duct, and can be flexibly arranged according to different house types, one air conditioner, multi-room sharing.



Hidden design, more beautiful

Thin height design, the unit can be easily placed in the ceiling, only the air outlet exposed, can not feel the existence of indoor unit, so that the indoor space suddenly open.



Free setting air outlet humanization setting

Due to the use of pipe air supply, according to the room environment and user requirements to freely choose the number of air outlet and installation position, fully consider the load of the room and room temperature balance, to achieve a more perfect and comfortable feeling.



High lift-up drain pump

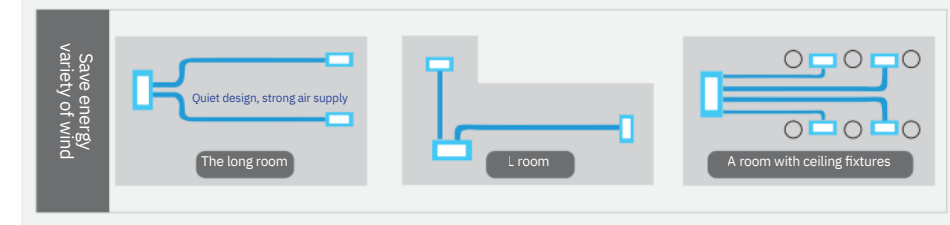
Standard condensate water lifting pump, standard head 700mm, special models customized range up to 1200mm, and built-in float switch, convenient to cooperate with the actual situation of the site, condensate water discharge air conditioning.



High ESP Duct(100~250Pa)

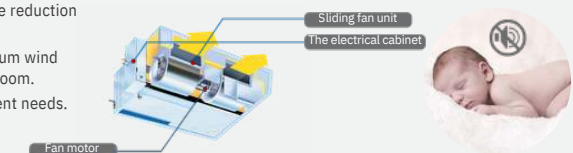
High static pressure design, more room to share

The external static pressure can achieve 250Pa, and the air duct can be freely selected. Install one air conditioning system for multi-room sharing.



Silence design

- Adopt international new sound insulation noise reduction materials, pressure off mute wind wheel.
- Prevents indoor pollution and provides maximum wind speed, ensuring air circulation throughout the room.
- 5 speed adjustable wind speed to meet different needs.



Multiple installation way, flexible optional

- Airduct air conditioning has a variety of free and optional installation.
- Flexible customization according to the house type and user needs, to meet the high taste of the room settings.





AQUA

HVAC Indoor Unit High ESP Duct



High ESP Duct (300Pa)

300Pa ultra-high static pressure, cope with complex pipe length design 300Pa



Low noise, more accurate throttling

Adopt 2000pls high-precision large-diameter deceleration EEV, lower noise, lower pressure loss.



Multiple external static pressure setting

DC inverter fan motor, it can realize step-less set speeds and 16 ESP conversion adjustment.



Easy installation

External hanging electronic control box design, easy disassembly and installation.



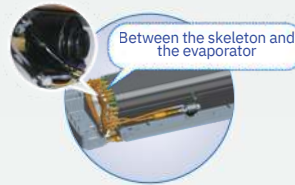


AQUA

HVAC Indoor High Wall

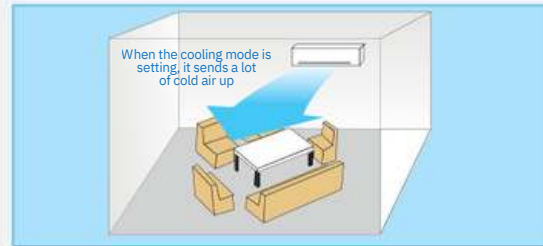
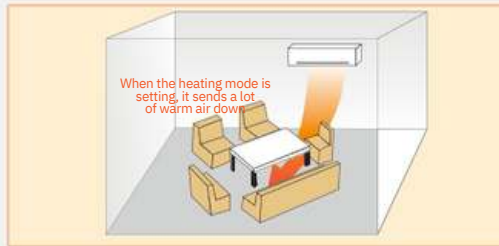
Built-in electronic expansion valve for easy installation (for AS***MNERAB/ AS***MFERAB/ AS***MNERA/AS***MFERA)

Built-in electronic expansion valve, easy to install. DC fan motor, multi-wind speed, with multi-stage air supply angle to create comfortable airflow.



Flexible wind control, quick cooling and heating

In heating and cooling condition, the unit can supply large volume air to quick warm and cold every where of indoor room.



New external electronic expansion valve models, for quiet needs (for AS***MNERAC/AS***MFERAC)

For quiet scenes, such as hotels and homes, we also provide electronic expansion valves installed outside the high wall to meet the low noise requirements.





Fresh Duct

Introduction of fresh air, indoor air supply more comfortable

Haier fresh air duct can heat or cool the outdoor fresh air to close to the indoor temperature and transport fresh air to the room. In spring and autumn, fresh air can be filtered without passing through the coil, directly sent into the room to save the energy.

Adopt R410A environment-friendly refrigerant, efficient use of DC frequency conversion technology, more energy saving



The fresh air duct can be mixed with the MRV indoor units to achieve unified management.



Adopt high efficiency brushless DC fan motor, the rotating speed can be adjusted flexibly according to the actual static pressure to ensure the stable output of air volume, greatly reducing operating noise.

The built-in float switch can monitor the condensate status of the water receiving tray in real time to avoid accidents. Water leakage and other hidden dangers caused by poor drainage. (for AD72/962MTERAF)



HRV

Design standard

Accord with CE, ROHS and REACH, more safety.



Super comfortable

DC brushless motor and fan simulation volute design, lower noise.

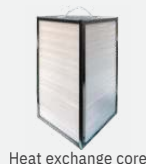


Easy maintenance

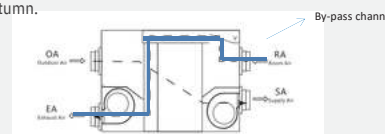
The hydrophilic material is added to the functional film used by the pellet, and its surface friction coefficient is obtained; Smaller, dust particles will not adhere to the surface of the film, no need to frequent cleaning, if you need to clean, you can simply clean with tap water, dry and then use again (can be washed multiple times).The heat exchange core and filter can be pulled out of the structure design, more convenient maintenance.

High efficiency

Graphene material heat exchange core, the effective air exchange rate is up to 95%, and energy saving is achieved through efficient heat recovery technology.



This device has a bypass function (the return air can be directly discharged from the outdoor through the bypass without passing through the heat exchanger), which can effectively extend the service life of the heat exchanger. We suggest that you turn on the bypass function in spring or autumn.



Easy control

Indoor units linkage function, can be connected with indoor units, according to the operation of the indoor units automatic interlock control HRV on off operation.

The heat exchange core of the heat recovery fresh air main engine sold on the market is mainly divided into three kinds according to the material: paper, aluminum, graphene.

Item	Paper	Aluminum	Graphene
Heat recovery efficiency	★★★	★★★★★	★★★★★
Anti-microbial		★★★	★★★★★
Life time	★	★★★★★	★★★★★
Maintenance	Change	Water wash	Water wash



Display (Videotron)



PT Dian Pelita Indonesia partners with Insight to strengthen our videotron portfolio through proven technology expertise and reliable product innovation. This collaboration enables us to deliver high-quality indoor and outdoor LED display solutions supported by strong technical standards, competitive specifications, and dependable after-sales support, ensuring optimal performance and long-term value for our clients.

Insight indoor videotron and videowall solutions deliver high-resolution visuals, seamless image integration, and exceptional color accuracy for control rooms, retail spaces, corporate environments, and public facilities. Designed for reliability and clarity, these systems ensure impactful communication and professional presentation quality.

Furthermore, the outdoor videotron displays are engineered for durability, weather resistance, and high brightness performance to maintain visibility in various environmental conditions. With robust construction and energy-efficient technology, they provide consistent operation, strong audience engagement, and long-term investment value.



Insight
Page 6-13
TKDN >40%





Videotron Indoor LM Series

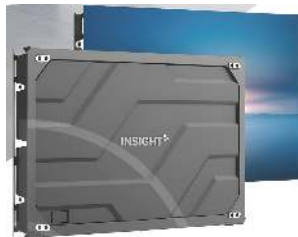
Brightness: 500 - 550 cd/m²
Refresh Rate: 3840 Hz
Warranty: 2 years
Module Size: 320 mm x 160 mm
Lifetime Hours: 100.000

600 Watt / m²

900 Watt

Videotron Outdoor KD Series

Brightness: 5000 - 5500 cd/m²
Refresh Rate: 3840 Hz
Warranty: 2 years
Lifetime Hours: 100.000



Fine Pixel Pitch LED Display KC Series-Flip COB Chip

Brightness: 600 cd/m²
Refresh Rate: 3840 Hz
Warranty: 2 years
Lifetime Hours: 100.000
Viewing Angle: 160/160 (H/V)

370 Watt / m²

120-140 Watt / m²

Fine Pixel Pitch LED Display COB Series

Brightness: 600 cd/m²
Refresh Rate: 3840 Hz
Warranty: 2 years
Viewing Angle: 160/160 (H/V)





LED Banner

Brightness: 800 & 5500 bits
Refresh Rate: 3840 Hz
Warranty: 2 years
Viewing Angle: 170/0 (H/V)
Operating System: Android
Unit Size: 640mm x 430mm x 2.000mm

676,5 & 984 GATT



Videotron Indoor HMO 3 Series

Brightness: 600-700 cd/m²
Refresh Rate: 3840 Hz
Warranty: 2 years
Pixel Pitch: 1,25 - 2,5
Lifetime Hours: 100.000

587 Watt / m²

600 Watt / m²

Videotron Indoor LC Series

Brightness: 500-550 cd/m²
Refresh Rate: 3840 Hz
Warranty: 2 years
Pixel Pitch: 1,25 - 4
Lifetime Hours: 100.000



Videotron Outdoor IN-189KH

Brightness: 7000 cd/m²
Refresh Rate: 3840 Hz
Warranty: 2 years
Pixel Pitch: 6,67
Lifetime Hours: 100.000

6500 Watt



Electrical

PT Dian Pelita Indonesia, in partnership with CHINT, delivers comprehensive electrical solutions covering Low Voltage (LV), Medium Voltage (MV), and High Voltage (HV) systems. The portfolio includes circuit protection equipment, distribution boards, consumer units, MCBs, MCCBs, motor control components, metering systems, as well as MV/HV switchgear and retrofit solutions designed to modernize existing electrical infrastructure.

Beyond conventional protection systems, we also provide advanced power quality solutions such as Dynamic Voltage Restorer (DVR) technology. DVR systems are engineered to mitigate voltage sags, swells, and disturbances, ensuring stable power supply and protecting sensitive equipment in industrial facilities, data centers, commercial buildings, and critical infrastructure environments.

We also partnered up with PT Nurinda to offer integrated electrical and energy solutions, ranging from low and medium voltage panels, control and monitoring systems, to renewable energy solutions such as solar PV systems and hybrid integrations. As highlighted in the catalogue, their expertise covers not only product manufacturing—like distribution panels, metering panels, and combiner systems—but also full Engineering, Procurement, and Construction (EPC) services, delivering complete, end-to-end electrical systems tailored to both utility and private sectors.



CHINT
Page 6-13
TKDN >40%



Nurinda
Page 6-13
TKDN >40%



DVR-A Static Voltage Stabilizer

High Speed Voltage Stabilizer – Technical Spec

Rated Voltage	400V		
Frequency	50Hz/60Hz		
Rated Power	50 - 4000 kVA		
Machine Response Time	<2ms		
Compensation Capacity	Input Voltage	DVR Output Voltage	Compensation Duration
	Three-phase as low as 50%Un	100%	30s
	Two-phase as low as 40%Un	100%	30s
	One phase as low as 30%Un	95%	30s
	One phase as low as 0%Un	One phase 60%Un Two phases 90%Un	30s
	Three-phase (80%~120%)Un	100%	Continuous output for a long time
Voltage Unbalance	<3%		
Frequency Error	<±0.2Hz		
Total Harmonics of Output Voltage	<2.5%		
Loss	<2%		
Error	<1%		
Voltage Loss	<2%		
Operating Temperature	0~50°C		
Temperatur Derating	When it exceeds 50°C, derate by 2% for every 1°C increase, up to 50°C		
Working Altitude	<1000m (without derating)		
Altitude Derating	When the altitude exceeds 1000m, derate 1% for every 100m increase in altitude, up to 2000m		

DVR-A



Standard untuk produk DVR-A
IEC 61000-4-11

Testing and measurement techniques –
voltage dips, short interruptions and voltage
variations immunity test for equipment with
input current up to 16 A per phase.

IEC 61000-4-34

Testing and measurement techniques –
voltage dips, short interruptions and voltage
variations immunity test for equipment with
input current over 16 A per phase.

GB/T 12325-2008

Power Quality Supply Voltage Deviation
(deviation limit can not exceed +7% dan -10%
of nominal voltage.

GB/T31137-2013

Power Quality Voltage Dips and Short
Interruptions

ELECON - HPD2000DVR - A - 500 - 1 - S

Brand

Dynamic Voltage Restoration Device

A: Product Code

Rated Capacity:
50 - 4000kVA
Max 20MVA at 20kV

Voltage Level:
1: 400V
2: customized until 20kV

A: Enhanced
S: Standard Type



HPD2000DVR-A vs UPS (Comparison)

	Double conversion UPS	HPD2000-DVR A
Installation costs	Higher due to requirement of having a segregated and airconditioned Battery room. Lithium batteries: increased fire rating Lead acid: increased air conditioning, Ventilation of gases	Minimized as it is all in one in single device with no ENERGY STORAGE that has potential fire risk and require special fire prevention measures
Standards	Over-Design above required standards for Group 1 Device in Hospitals.	Meeting standards set out by Hospital Association for Group 1 Devices that do not require outage protection. RIGHT SIZED solution (not overdesign)
Device to be protected: Inrush	Not suitable for devices with in-rush current (industrial) and MRI or CT scan (hospital), meant for IT load (computer, servers)	High Inrush tolerance and used for high-speed switching devices, regulating voltage to within +/-1% accuracy
Outage protection	Configurable to wide range of outage protection from 1min to more.	Not meant for outage protection, for loads that do not need to work in the event of an outage.
Efficiency	96% at 75% load for most brands	98% nominal efficiency, Wide operating temperatures and suitable for non-airconditioned environment.
Maintenance	Quarterly to Yearly maintenance schedule to ensure accuracy of output and health of batteries to prevent Fire risk or Overcharging.	Minimal to no maintenance and can be done by any technician due to high modular design and many built in automatic checks.
Replacement/Lifetime costs	Depending on battery use, replacement cycle of batteries, capacitors and other components have replacement cycle.	Industrial equipment that is designed to run to failure with modular replacements that can be made available.



HPD2000 DVR-O



Semiconductor Industry

If the water pumps in process cooling water system of semiconductor plant shut down unexpectedly due to voltage sag, the semiconductor manufacturing machines may be damaged due to cooling failure. The exhaust fan inverter in facility system will trip out due to low voltage protection, and the corrosive gas can't be vented out of the clean room in time, the semiconductor manufacturing has to be stopped and results in large amount of scrapped products. The economic losses of an accident may reach millions or even tens of millions yuan.

Aerospace Industry

Aerospace industry concerns national strategy and national security. It requires high precision, long processing time and highly automatic production lines, and thus requires extremely high power quality. The production line shutdown caused by voltage sag may need several hours to restore, and thus significantly affect the production progress, and even damage the precision equipment and cause great losses.



Pharmaceutical Industry

Pharmacy is a complicate process while the cooling and lyophilization are most sensitive to voltage disturbance. A millisecond power voltage disturbance may change the freeze drying circle curve and DVR is a perfect solution to protect the machines from interruption.

Automobile Manufacturing Industry

Automobile manufacturing process involves stamping, welding and painting, which requires high automation and strong production continuity. In these processes, PLC, inverter, tripper, DC power supply, sensor and machine control system are all voltage sensitive, and the shutdown of one part due to voltage sag will affect the entire production process. In addition to direct workpiece material loss, time loss also can't be ignored, and the loss of working days during tight production is irreparable.

Petrochemical Industry

Petrochemical production and coal chemical industry features numerous devices, complicated production process, harsh working conditions, tight relationship of inter-device materials and high degree of dependence on the transient power quality of the power system. Voltage sag will cause sensitive loads in the production process such as lubricating oil pump, liquid oxygen pump, high pressure coal slurry pump, coal feeder and other inverters to stop, contractors to release, resulting in chain reactions such as plant shutdown and material scrapping, and even endanger personal safety. Moreover, it requires long time to restore production and brings great economic losses directly or indirectly.



DVR-0 & DVR-B

Voltage sag control—HPD2000DVR

DVR: Dynamic Voltage Restorer

动态 电压 恢复装置



50KVA



100KVA



800KVA



2500KVA

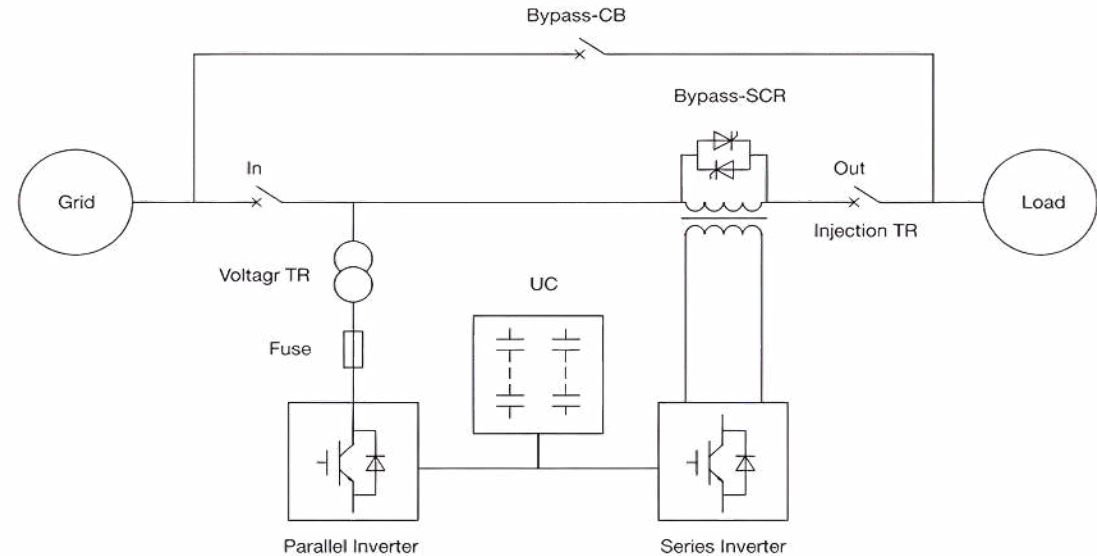
can use until
20kv (40MVA)

DVR产品系列

容量	5.5kVA~25MVA				
电压等级(kV)	0.2	0.4	0.48	0.69	



DVR-C Total Solution



注：用于中压系统时含升 / 降压变压器

Note: The Voltage transformer is only needed for MY system

General Information DVR-C

- Simultaneous control of voltage fluctuations and short-term interruptions
- 2ms fast response
- 98.5% ultra-high operating efficiency
- Voltage compensation range:
 - 3P $\pm 20\%U_n$ compensated to 100% long time
 - 3P 0~80% U_n compensation to 100% 3s-30min
 - (time optional)
- Ultra-capacity energy storage, no battery storage unit, almost maintenance-free, or use battery storage if need long time backup.



DVR-0, DVR-A, DVR-B, DVR-C

Technical Specification

Parameter Elektrik	DVR-0	DVR-A	DVR-B	D VR-C
Tegangan (Phasa ke Phasa) dapat disesuaikan	0.22-20kV	0. 22- 20kV	0. 22- 20kV	0.22-20kV
Frekuensi	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Spesifikasi Teknis				
response Time	< 1ms	< 1ms	< 1ms	< 1ms
Total working Time maksimal	< 2ms	< 2 ms	< 2 ms	< 2 ms
menjaga tegangan output continues (80-120%)	-	< ± 1%	-	< ± 2%
Batas Kompensasi tegangan	0- 130%	50-120%	0-130%	0- 130%
Waktu menjaga daya	500ms - 30s	30s	10s - 30Min	500ms - 30Min
Tegangan tidak seimbang (Voltage Unbalance)	< 3%	< 3%	< 3%	< 3%
Batas kesalahan frekuensi output	< ± 0.2 Hz	< ± 0.2 Hz	< ± 0.2 Hz	< ± 0.2 Hz
Output harmonik tegangan	< 2%	< 2.5%	< 2%	< 2%
Power Loss Batas kesalahan tegangan output (saat inverter aktif)	< 1%	< 1%	< 1%	< 2%
overload capacity	150% 60s , 500% 1s	150% 60s , 500% 1s	150% 60s , 500% 1s	150% 60s , 500% 1s
komunikasi	Modbus TCP/IP	Modbus TCP/IP	Modbus TCP/IP	Modbus TCP/IP
Kondisi kerja				
Temperatur kerja	-25 °C s/d 45 °C	0 °C s/d 50 °C	-17 °C s/d 27 °C (Battery Compartment)	-25 °C s/d 45 °C
Kelembaban	< 95% tanpa kondensasi	< 95% tanpa kondensasi	< 95% tanpa kondensasi	< 95% tanpa kondensasi
noise level	< 65 db	< 65 db	< 65 db	< 65 db



Transformer



750kV Oil-immersed
Autotransformer



500kV Oil-immersed
Transformer



330kV Oil-immersed
Transformer



220kV Oil-immersed
Transformer



110kV Oil-immersed
Transformer



35kV Dry-type
Transformer



35kV Oil-immersed
Transformer



Circuit Breaker



252kV CircuitBreaker



252kV CircuitBreaker



126kV CircuitBreaker



40.5kV CircuitBreaker



40.5kV CircuitBreaker



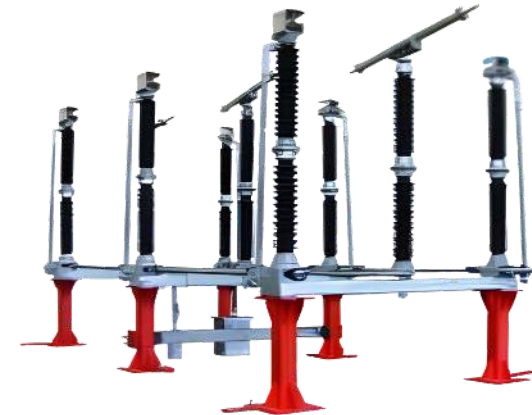
Disconnecter



252kV Disconnecter



252kV Disconnecter



252kV Disconnecter



126kV Disconnecter



126kV Disconnecter



Retrofit Solution

Retrofit means upgrading existing devices/components with newer ones without modify the system

Retrofitting offers advantages such as:

01

Cost saving

Retrofit is only renewal component such as Circuit Breaker or Contactor without change the existingelectricalor mechanicalsystem

02

Shutdown time saving

Plug and Play - Rack-out existing and Rack In new retrofit equipment without modification existing mechanism system

03

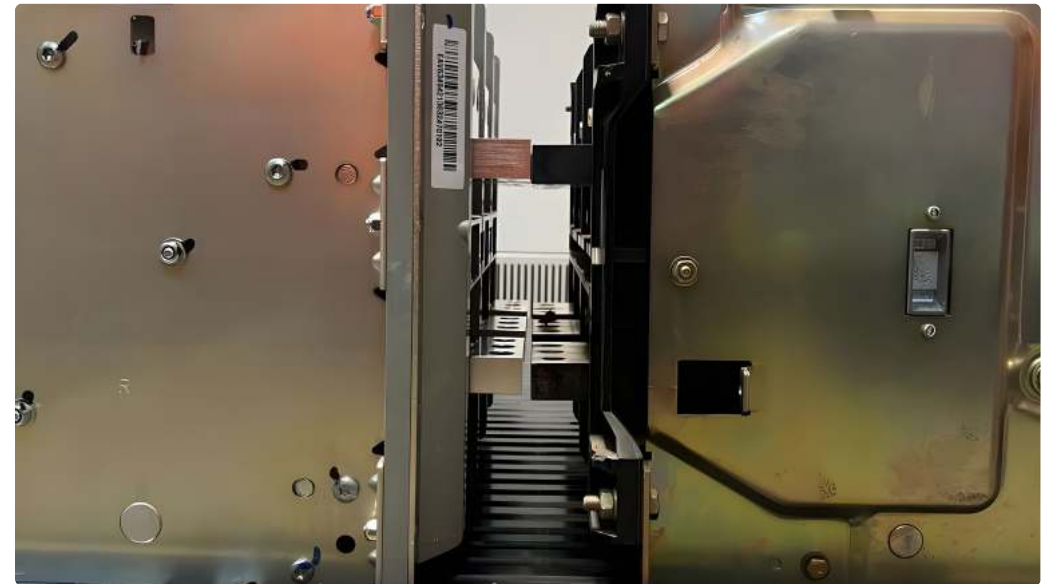
Improve Performance

New component with the newest technology will enhance your system's performance and updated environmental policy requirements compliment.

04

Reliability

Existing system that has proven to be robust is worth maintaining



Fact :

Electrical systems that have been installed for a long time often have good reliability, but mechanical components has a life time limit.



MV Solution Offer

Roll In Standard

Retrofit solutions have been implemented and become standard solutions



Roll In new Development

This retrofit solution has never been done before so it requires development



new VCB by **CHINT**

Replace by Cassete

This solution is carried out by replacing the CB compartment with a new one, making adjustments to the busbar connections.





LV Solution Offer

Busbar Kit Standard

Retrofit solutions have been implemented and become standard solutions



Busbar Kit New Development

This retrofit solution has never been done before so it requires development



Upgrading

Upgrade rating capacity and the existing cubicle space is still available.



new ACB by **CHINT**



Circuit Protection Equipment

NMIT Enclosed MCCBs

MCCBs Independently Tested and Approved to IEC/EN 60947-2



•3 Pole and 4 Pole with neutral •Steel enclosure rated at IP66 •Ratings of MCCBs easily adjusted down by 20% •MCCBs KEMA approved to 50KA •Removable bottom gland plate •Can be padlocked off

NMITL Enclosed ELCB

MCCBs Independently Tested and Approved to IEC/EN 60947-2



•3 Pole and 4 Pole with neutral •Steel enclosure rated at IP66 •Ratings of MCCBs and RCDs can be easily adjusted •MCCBs KEMA approved to 50KA •Removable bottom gland plate •Can be padlocked off •Adjustable range for Xi: (A) 0.05 - 0.1 - 0.2 - 0.5 •Adjustable range for Ti: (s) 0.1 - 0.3 - 0.5 - 1

3P, NMIT ENCLOSED MCCBs

(ALL WITH ISOLATING LINKS)

DESCRIPTION	PART NO.
32A, 3 Pole and Neutral	NMIT-32/3N
63A, 3 Pole and Neutral	NMIT-63/3N
125A, 3 Pole and Neutral	NMIT-125/3N
250A, 3 Pole and Neutral	NMIT-250/3N
400A, 3 Pole and Neutral	NMIT-400/3N
630A, 3 Pole and Neutral	NMIT-630/3N

4P, NMIT ENCLOSED MCCBs

(ALL WITH ISOLATING LINKS)

DESCRIPTION	PART NO.
32A, 4 Pole and Neutral	NMIT-32/4N
63A, 4 Pole and Neutral	NMIT-63/4N
80A, 4 Pole and Neutral	NMIT-80/4N
100A, 4 Pole and Neutral	NMIT-100/4N
125A, 4 Pole and Neutral	NMIT-125/4N
200A, 4 Pole and Neutral	NMIT-200/4N
250A, 4 Pole and Neutral	NMIT-250/4N
400A, 4 Pole and Neutral	NMIT-400/4N
630A, 4 Pole and Neutral	NMIT-630/4N

3P, NMITL ENCLOSED ELCB

DESCRIPTION	PART NO.
63A, 3P Enclosed ELCB	NMITL-063/3/XI/TI
100A, 3P Enclosed ELCB	NMITL-100/3/XI/TI
160A, 3P Enclosed ELCB	NMITL-160/3/XI/TI
200A, 3P Enclosed ELCB	NMITL-200/3/XI/TI
250A, 3P Enclosed ELCB	NMITL-250/3/XI/TI

4P, NMITL ENCLOSED ELCB

DESCRIPTION	PART NO.
63A, 4P Enclosed ELCB	NMITL-063/4/XI/TI
100A, 4P Enclosed ELCB	NMITL-100/4/XI/TI
160A, 4P Enclosed ELCB	NMITL-160/4/XI/TI
200A, 4P Enclosed ELCB	NMITL-200/4/XI/TI
250A, 4P Enclosed ELCB	NMITL-250/4/XI/TI



Motor Control Gear Components

AC Coil Contactors, 3 & 4 Main Poles



NC6



NC1

NC1 Series, 3P

DESCRIPTION	AC1	AC3	KW	PART NO.
3 Main + 1 NO Aux	20A	9A	4.00	NC1-0910
3 Main + 1 NO Aux	20A	12A	5.50	NC1-1210
3 Main + 1 NO Aux	32A	18A	7.50	NC1-1810
3 Main + 1 NO Aux	40A	25A	11.00	NC1-2510
3 Main + 1 NO Aux	50A	32A	15.00	NC1-3210

3 MAIN & 1 NC AUXILIARY CONTACT

3 Main + 1 NC Aux	20A	9A	4.00	NC1-0901
3 Main + 1 NC Aux	20A	12A	5.50	NC1-1201
3 Main + 1 NC Aux	32A	18A	7.50	NC1-1801
3 Main + 1 NC Aux	40A	25A	11.00	NC1-2501
3 Main + 1 NC Aux	50A	32A	15.00	NC1-3201

3 MAIN & 1 NO + 1 NC AUXILIARY CONTACT

3 Main + 1 NO + 1 NC Aux	60A	40A	18.50	NC1-4011
3 Main + 1 NO + 1 NC Aux	80A	50A	22.00	NC1-5011
3 Main + 1 NO + 1 NC Aux	110A	65A	30.00	NC1-6511
3 Main + 1 NO + 1 NC Aux	110A	85A	37.00	NC1-8011
3 Main + 1 NO + 1 NC Aux	110A	95A	45.00	NC1-9511

NC6 Series, 3P & 4P

DESCRIPTION	AC1	AC3	KW	PART NO.
3 NO Main + 1 NO Aux	20A	9A	4.00	NC6-0910
3 NO Main + 1 NC Aux	20A	9A	4.00	NC6-0901
4 NO Main Poles	20A	9A	4.00	NC6-0904
2 NO + 2 NC Main Poles	20A	9A	4.00	NC6-0908

To Our Customers:

Please specify Part Number plus Coil Voltage:
24VAC, 48VAC, 110VAC, 230VAC, 415VAC



Power Protection Device

NM8-1250S Frame, Thermal Magnetic



NM8-1250S-3P

NM8-1250S FRAME 3 POLE ADJUSTABLE MCCB.

In (A)	Ii (A)	PART NO.
1000	10000	NM8-1250S-3P-1000A
1250	12500	NM8-1250S-3P-1250A

NM8-1250S FRAME 4 POLE ADJUSTABLE MCCB.

In (A)	Ii (A)	PART NO.
1000	10000	NM8-1250S-4P-1000A
1250	12500	NM8-1250S-4P-1250A

NM8S-400S Frame, Electronic



NM8S-400S-3P

NM8S-400S FRAME 3 POLE ADJUSTABLE MCCB. ICU=ICS 50KA 415V

In (A)	Ii (A)	PART NO.
400	4000	NM8S-400S-3P-400A

NM8S-400S FRAME 4 POLE ADJUSTABLE MCCB. ICU=ICS 50KA 415V

In (A)	Ii (A)	PART NO.
400	4000	NM8S-400S-4P-400A



Distribution Panel Outdoor

Distribution Panel Outdoor

As a manufacturing company specializing in electrical panels and equipment, we proudly present our highlight product: the Low Voltage Distribution Panel (PHBTR). The PHBTR panels produced by PT Nurinda are equipped with components and materials that are consistently tested according to SPLN standards.

Our PHBTR panels come in several types, including 2-line, 4-line, and 6-line models. In addition to PHBTR, we also offer various types of indoor panels and metering panels.



PHB-TR 2 Line	
Standard	SPLN D3.016-1:2018
Volt age	400V 250A / 400A LBS / MCCB Steel
Rating Arus	Plate, Aluminum Alloy & Powder
Main Switch	Coating
Material	PL-250-2-LBS PL-250-2-M CCB
Type	PL-400-2-LBS



PHB-TR 6 Line	
Standard	SPLN D3.016-1:2018
Volt Age	400V
Rating Arus	1000A
Main Switch	LBS
Material	Steel Plate, Aluminum Alloy & Powder Coating
Type	PL-1000-6-LBS



PHB-TR 4 Line	
Standard	SPLN D3.016-1:2018 400V
Volt age	400A / 630A LBS
Rating Arus	Steel Plate, Aluminum Alloy &
Main Switch	Powder Coating
Material	
Type	PL-400-4-LBS PL-630-4-LBS





Distribution Panel Indoor

Distribution Panel Indoor

This electrical distribution panel is specifically designed for indoor use. The indoor panel functions to manage and protect the flow of electricity to various circuits within a building. It is ideal for use in homes, offices, commercial buildings, and other indoor areas that are sheltered from weather exposure.



INDOOR 8 Jurusan	
Standard	SPLN D3.016-2:2018
Volt Age	400V
Rating Arus	1000A
Main Switch	LBS
Material	Steel Plate, Aluminum Alloy & Powder Coating
Type	PD-1000-8-LBS



INDOOR 6 Jurusan	
Standard	SPLN D3.016-2:2018
Volt Age	400V
Rating Arus	1000A
Main Switch	LBS
Material	Steel Plate, Aluminum Alloy & Powder Coating
Type	PD-1000-6-LBS



Metering Panel



Indirect Metering Box – Kotak APP UTL	
Standard	SPLN D3.015-2:2012
Volt age	400V
Rating Daya	53 s/d 197 kVA
Main Switch	MCCB
Material	Steel Plate, Aluminum Alloy & Powder Coating
Accessories	*optional



MV Metering Box – Kotak APP TM	
Standard	SPLND3.015-3 : 2013
Volt age	230V/ 400V
Rating Daya	200kVA – 30 MVA
Main Switch	MCB
Material	Steel Plate, Aluminum Alloy & Powder Coating
Accessories	*optional



Direct Metering Box – Kotak APP UL	
Standard	SPLN D3.015-1:2010
Volt age	400V
Rating Daya	3,9 s/d 41,5 kVA
Main Switch	MCB
Material	Steel Plate, Aluminum Alloy & Powder Coating
Accessories	*optional



Box OK 3 Phase / Support AMR	
Colors	White
Material	Steel Plate, Aluminum Alloy & Powder Coating
Accessories	Lubang In/out kabel





Active Harmonic Filter (AHF)



Material	Steel Plate
	Aluminum Alloy
Paint	Powder Coating
Main Switch	MCCB / ACB
Accessories	Lock mechanism, Ram wire ventilation, Exhaust fan, Thermo Control, inner hinge, door gasket, Padlock key, Knock down enclosure
Features	HMI Control, Start/Stop button, Start indicator, Fault indicator, Exhaust fan bypass switch, Emergency Stop button, Cover deck

Static Var Generator (SVG)



Material	Steel Plate
	Aluminum Alloy
Paint	Powder Coating
Main Switch	MCCB / ACB
Accessories	Lock mechanism, Ram wire ventilation, Exhaust fan, Thermo Control, inner hinge, door gasket, Padlock key, Knock down enclosure
Features	HMI Control, Start/Stop button, Start indicator, Fault indicator, Exhaust fan bypass switch, Emergency Stop button, Cover deck

Integrated Metering Panel / KWH Terpusat



Material	Steel Plate
	Aluminum Alloy
Paint	Powder Coating
Main Switch	MCCB (by request)
Accessories	Each Meter Door Equipped with Independent Padlock Hasp, Maintenance Door, Independent KWH Meter, Access Door & Acrylic



Substation Kiosk

Unit Gardu Terpadu



Gardu Kiosk Terpadu

Enclosure – Kiosk Substation	
Body Material	Steel Plate, Aluminum Alloy
Body Protection	IP43 – IP54
Body Paint :	Powder Coating, Zinc Phosphate Treatment, Customize Paint Design
MV Switchgear Platform (UNP)	
LV Switchgear Mounting Plate	
Transformers Base	UNP
Completely Knock Down System (CKD)	
Accessories	5 Leaf doors, Lighting Lamp, Lock Mechanism, etc
Ram Wire Ventilation, Exhaust Fan, Thermo Control, Inner Hinge	



Enclosure – Kiosk Substation	
Body Material	Steel Plate, Aluminum Alloy
Body Protection	IP43 – IP54
Body Paint :	Powder Coating, Zinc Phosphate Treatment, Customize Paint Design
MV Switchgear Platform (UNP)	
LV Switchgear Mounting Plate	
Thermo-Control System, Exhaust Fan	
Completely Knock Down System (CKD)	
Accessories	Lighting Lamp, Lock Mechanism, etc

Mobile Trailer	
Chassis for Max Payload	2Ton, 4 Ton, 6 Ton (UNP Beam)
Capacity 400KVA, 630KVA, 1000KVA, Anti-Slip Floor – Embossed Steel Plate, 4-8 Wheels	
Steering Head – Rotary bearing for turning radius, Trailer Brake – Drum System	
Stabilizer link for trailer stability	
Spare Wheel and Tire, Trail lamp, Brake lamp, Reverse lamp	
Hand Brake for parking use, 4-Corners Standing jack	
Accessories	Tool box, Tool kit, Hydraulic Jack, etc

Gardu Susun



Enclosure – Kiosk Substation	
Body Material	Steel Plate, Aluminum Alloy
Body Protection	IP43 – IP54
Body Paint :	Powder Coating, Zinc Phosphate Treatment, Customize Paint Design
MV Switchgear Platform (UNP)	
LV Switchgear Mounting Plate	
Transformers Base	UNP
Completely Knock Down System (CKD)	
Accessories	5 Leaf doors, Lighting Lamp, Lock Mechanism, etc
Ventilation, Interior & Indicator Lamp, Inner Hinge	



Gardu ¾ Cell

Enclosure – Kiosk Substation	
Body Material	Steel Plate, Aluminum Alloy
Body Protection	IP43 – IP54
Body Paint :	Powder Coating, Zinc Phosphate Treatment, Customize Paint Design
MV Switchgear Platform (UNP)	
LV Switchgear Mounting Plate	
Transformers Base	UNP
Completely Knock Down System (CKD)	
Accessories	Door Handle, Lock Mechanism, etc
Bracket Foundation	





Substation Kiosk

Unit Gardu Terpadu



Enclosure – Kiosk Substation	
Body Material	Steel Plate, Aluminum Alloy
Body Protection	IP43 – IP54
Body Paint :	Powder Coating, Zinc Phosphate Treatment, Customize Paint Design
MV Switchgear Platform (UNP)	
LV Switchgear Mounting Plate	
Thermo-Control System, Exhaust Fan	
Completely Knock Down System (CKD)	
Accessories	Lighting Lamp, Lock Mechanism, etc

Mobile Trailer	
Chassis for Max Payload	2Ton, 4 Ton, 6 Ton (UNP Beam)
Capacity 400KVA, 630KVA, 1000KVA, Anti-Slip Floor – Embossed Steel Plate, 4-8 Wheels	
Steering Head – Rotary bearing for turning radius, Trailer Brake – Drum System	
Stabilizer link for trailer stability	
Spare Wheel and Tire, Trail lamp, Brake lamp, Reverse lamp	
Hand Brake for parking use, 4-Corners Standing jack	
Accessories	Tool box, Tool kit, Hydraulic Jack, etc



Subdistribution Panel Outdoor – Panel SKTR	
Volt age	380V / 400V
Rating Arus	250A / 400A
Main Switch	MCB / MCCB
Material	Steel Plate, Aluminum Alloy & Powder Coating
Other	Distribution line by request





Low Voltage Main Distribution Panel

Material	Steel Plate Aluminum Alloy
Paint	Powder Coating
Main Switch	MCCB / ACB
Other	by request



CAPACITOR BANK

Material	Steel Plate Aluminum Alloy
Paint	Powder Coating
Main Switch	MCCB / ACB
Other	by request



Automatic Change Over TR



Tipe Reguler

Ratingarus	35A-63A, 80A-125A, 250 & 400A
Voltage	220V/ 380V-50Hz
Material	Steel Plate, Aluminum Alloy & Powder Coating
Accessories	Surge Arrester, Fuse link/MCB with LED indicator, Battery Power Supply-BPS

Tipe Ultima

Wireless Notification – Communicator, Wireless Operation Report – RFID, Modem – SMS, Whatsapp, Telegram





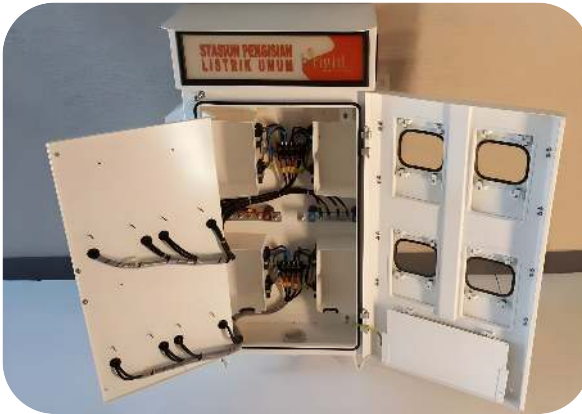
Public Electric Charging Station (SPLU)



Public Electric Charging Station (SPLU) is a panel designed to supply electricity needs for street vendors, especially in big cities. SPLU can be equipped with 4 Prepaid KWH, and each is connected to 2 outlets. This panel can supply electricity needs of 8X16A 1P with a total capacity of 28 KVA

equipped with signs that light up in the dark

2 outlet each KWHmeter





Motor Control Center (MCC)



CHINT
Variable Speed Drive
Inverter 220 KW/ 420A



SCHNEIDER
Altivar Softstarter ATS480

Material : Steel Plate
Paint : Powder Coating
Dimension (HxWxD) : 220 x 320 x 80 cm

Motor Control Center (MCC) Panel is an essential electrical panel used for controlling and managing multiple electric motors in industrial and commercial applications. Designed for efficiency, safety, and ease of maintenance, MCC panels house various motor starters, circuit breakers, fuses, and control devices in a centralized, modular structure.

Applications of MCC Panels :

- Industrial manufacturing plants
- Water treatment plants
- HVAC systems
- Power plants
- Oil & gas industries
- Chemical processing plants



Hybrid Inverter



Hybrid Inverter is a comprehensive power conversion system that integrates and optimises remote area power sources such as solar photovoltaic arrays, wind turbines, battery banks and diesel generator sets. As a bidirectional power converter can seamlessly act, phase by phase, in parallel power sharing mode or as an independent battery charger in reverse power mode. The Hybrid Inverter system provides an optimal approach in delivery of continuous 24-hour power, utility level voltage and frequency quality.

GENSET MANAGEMENT

The Hybrid Inverter can typically manage single or dual generator sets. The generator is used only when the battery is low in storage or the load is becoming too high. Its operational time each day can be controlled in order to achieve quiet times as well as the number of stop / starts. Generator loading is kept within the most efficient ranges to increase fuel efficiency.

TYPICAL APPLICATIONS

- Island electrification
- Remote area power supply
- Rural banks and offices
- Rural educational facilities
- Remote petrol stations
- Remote commercial buildings

ON BOARD MPPT

The standard HPC includes an internal MPPT which is rated at the inverter power capacity. This ensures that the solar PV energy is fully available to the system for the external load and battery management.

BATTERY MANAGEMENT

Lead acid batteries are the common choice of energy storage and the Hybrid Inverter includes a sophisticated multiple stage charging regime for this technology. The charging management will optimise the battery life and ensure cost effective deployment of the available energy reserves.

MONITORING AND CONTROL

Industry standard ethernet ports are provided which allow connection both locally or remotely via RS232 or RS485. OPS provide a range of user-friendly SCADA packages which enable local and remote monitoring and control. Please refer to our OPS- Coms, Site Connect and Site Link for useful software applications.

	HPC -7.5	HPC -10	HPC -12.5	HPC -15	HPC -17.5	HPC -10	HPC -15	HPC -20	HPC -25	HPC -50	HPC -75	HPC -100	HPC -150	HPC -200	HPC -250	HPC -350
→ Output Values																
Phase	1						3									
Nominal AC volts	230						230/400									
Frequency Hz	50/60															
→ Input Values																
Nominal AC power kW	7.5	10	12.5	15	17.5	10	15	20	25	50	75	100	150	200	250	350
urge 30seconds kW	120	120	120	120	120	120	120	120	240	240	240	240	360	360	360	360
Nominal DC volts	11.25	15	18.75	22.5	26.25	15	22.5	30	37.5	75	112.5	150	187.5	250	312.5	437.5
Inbuilt genset switching	V												Genset switching supplied externally			
Max genset kW	11.25	15	18.75	22.5	26.25	15	22.5	30	37.5	75	112.5	150	225	300	375	525
Typical peak load kVA	15	20	25	30	35	20	30	40	50	100	150	200	300	400	500	700
MPPT kW	7.5	10	12.5	15	17.5	10	15	20	25	50	75	100	MPPT supplied externally			
MPPT Operating range VDC	150-300									300-600			MPPT supplied externally			
→ Standard Features	400									750			MPPT supplied externally			
Front panel analog meter	-								V							
Data logging	V															
Weight kg	150	200	250	300	300	300	350	400	700	800	900	1000	1000	1200	1600	2000
Dimensions H x W x D mm	1050x585x450			1250 x 585 x 450	1300x 600x 500	115 0x 700 x 540	120 0x 800 x 600	1700x900x1050		1900x1200x1050		190 0x 130 0x 1150	1900x 1600x 1150	1900x2000x1150		1900x 3000x 1150
Warranty Years	5															





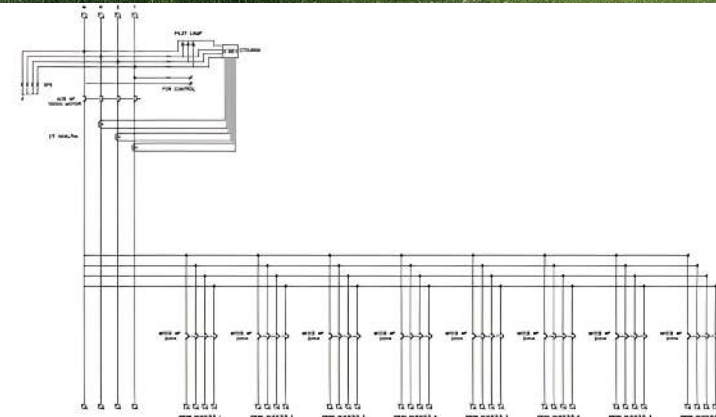
AC/DC Combiner



In the PV industry, ensuring reliability and availability is crucial for solar installations. In systems utilizing protection against short-circuits and overvoltage. Additionally, these combiner boxes allow for easy isolation of each string inverter, simplifying maintenance tasks.

Our new PV AC Combiner boxes have been specifically designed for PV systems utilizing string inverters in both tracker and fixed tilt installations. With a product portfolio suitable for inverters ranging from 60 kW up to 200 kW, and supporting voltages of 400 V, 690 V, or 800 V AC, these combiner boxes provide flexibility and compability. With the ability to accommodate from 2 up to 8 string inverters within a single cabinet, they offer a stream-lined solution for system integration. Operating within a temperature range of -20°C to+50°C, these combiner boxes are built to withstand the hardest climate conditions. They adhere to the highest market standards, meeting the requirements outlined in IEC 61439-2 ed 3.0:2020.

Material	Steel Plate
	Aluminum Alloy
Paint	Powder Coating
Main Switch	Motor Mech ACB
Accessories	Power Supply 220, Indicator Lamp, Wiring Protection, Surge Protection Device
Ingress Protection : Up to 65	





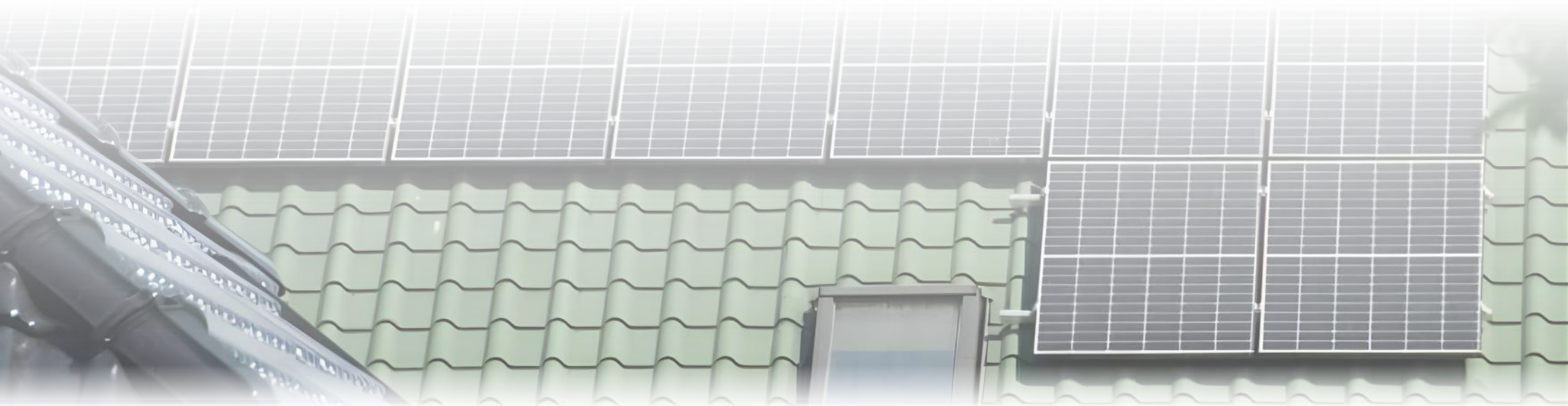
Ground Mounted

Ground-mounted photovoltaic (PV) systems represent a versatile and efficient approach to harnessing solar energy. By securely mounting solar panels on the ground, these exposure, and systems optimize sunlight offering flexibility in installation maintenance. Through the conversion of sunlight into electricity via photovoltaic cells, ground-mounted PV systems provide a sustainable energy solution for residential, commercial, and utility-scale applications. Through the potential for customization in tilt and orientation, coupled with accessibility for routine upkeep, these systems stand as a to embrace renewable energy and reduce their carbon footprint. practical choice for those seeking to embrace renewable energy and reducetheir carbon footprint.





Roof Mounted



Roof-mounted solar panels are photovoltaic modules installed on the rooftops of buildings to harness sunlight and convert it into electricity. These panels typically consist of solar cells made of silicon, which generate Direct Current (DC) electricity when exposed to sunlight. The electricity produced can be used to power appliances and lighting within the building or can be stored in batteries for later use. Roof-mounted solar panels are popular choice for renewable energy generation due to their efficiency, relatively low maintenance requirements, and ability to utilize unused roof space for sustainable power generation.





Cold Shrink Jointing



Cold Shrink Jointing Body (NRD-SCD-B)	
Material	Liquid silicone rubber
Dimension	SCD 3×150 mm2
	SCD 3×240 mm2
	SCD 3×300 mm2

Connector Sleeve	
Material	High-tensilealuminiumalloy
Dimension	120/300 mm2





Cold Shrink Terminating



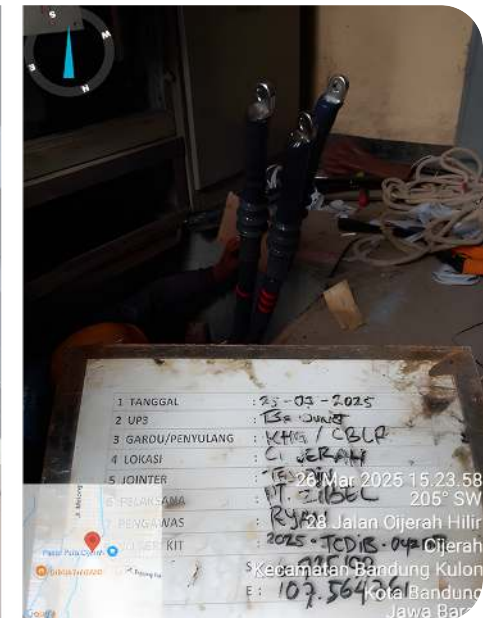
Cold Shrink Terminating Body (NRD-TCD-A)	
Material	Liquid silicone rubber
Dimension	TCD 3×35 mm2
	TCD 3×70 mm2
	TCD 3×120 mm2
Type	Indoor
	Outdoor



Connector Lug	
Material	High-tensile aluminium alloy
Dimension	35/150 mm2
	120/300 mm2



Cold Shrink Terminating Body (NRD-TCD-B)	
Material	Liquid silicone rubber
Dimension	TCD 3×150 mm2
	TCD 3×240 mm2
	TCD 3×300 mm2
Type	Indoor
	Outdoor





Mechanical



Through out partnership with Tongling Miracle Mechanical Equipment, PT Dian Pelita Indonesia provides comprehensive solutions for bulk material handling systems, particularly conveyor belt infrastructure. The product portfolio includes conveyor rollers, idlers, pulleys, frames, belt cleaners, and related mechanical components designed to support efficient transportation of materials across industrial environments such as mining, fertilizer plants, cement plants, ports, and manufacturing facilities.

These products are engineered to deliver high durability, smooth material flow, and reliable mechanical performance under demanding operational conditions. Manufactured with precision engineering and high-strength materials, Tongling components ensure stable belt alignment, reduced friction, and improved operational efficiency within conveyor systems. We are open for consultation to determine the technical specifications and finding optimal solutions for your needs

The key advantage of Tongling solutions lies in their robust construction, long service life, and compatibility with large-scale industrial conveyor systems. By combining reliable mechanical design, high load capacity, and efficient material handling performance, Tongling products help industries improve operational productivity, reduce maintenance requirements, and ensure consistent performance in heavy-duty applications.



Tongling
Page 6-13
TKDN >40%





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MIRACLE TONGLING



Automatic Production Line for Idlers

To guarantee for the product quality, manufacturing process for the Belt Conveyor shall be applied

1. Idler

All idler rollers adopt specialized production, the main parts fabrication method shall be as follow:

- Shaft:

Selected high-precision cold drawn rounds, both ends slot shall be made by slot-producing machine and edge milling machine.

- Pipe:

Special purpose welded pipe is cut by cutting machine. To guarantee the performance, both ends edge shall be machined by specialized edge machine. The flexibility and radial out of roundness shall be controlled.

- Pressed bearing seats:

Selected import good quality cold rolling plate, the seats fabrication procedure is blanking, drawn, shape, punching hole and cutting edge. The machine size shall be from 16t to 400t.

- Welding:

All pressed bearing seats have to be cleaned by oil remove agent to avoid the grease bring to the welding procedure. The weld work cannot start prior to dried the seats. The current parameter and selection, gas flow amount, welding speed shall be controlled by PC machine during welding.

- Assembly:

the assembly work shall be finished with idler pressed assembly machine. The parts are separately Inner seal ring, bearing, labyrinth seal ring, sealing ring, inner and outer stop ring and snap rings.

- Idler laboratory:

Each lot rollers shall be sample tested in our idler laboratory room after inspector inspecting according to the 'Technical Conditions of Belt Conveyor' 6 item technical index. All test and inspecting equipments for idler in our laboratory have been approved by 'China Cranes and Parts Quality Supervision Center' On delivering, the idler test report will be supplied.





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MIRACLE TONGLING



Automatic Production Line for Pulleys

2. Pulleys

All pulley shell welding is carried by Gas Metal Arc (GMAW) and Automatic Submerged Arc (SAW). The stress of shell shall be relieved by the whole annealing furnace. The inside of shell shall be grinding for ensure the connecting boss and shaft. Shaft adopts C45 to fabricate. The quenching and tempering shall be made after rough machine and Ultrasonic test, and then finish machine and grinding machine. The shrink disc for pulley is the main parts to transmit torque. To obtain top quality, we select Erchong Based Parts Plant as our supplier. (the discs have been used for many key project). All pulleys have been tested and inspecting, each welding seam for pulley shall be tested by X Ray and keep test record. Dye penetrant testing will be carried for the root welding. Any defects will be removed by carbon arc air gouging and then re-welding. All pulleys shall be static balance to be sure pulley smoothly running. We have defect detection room, Ultrasonic detection equipment and X Ray unit and have qualification of the testing technicians.

The main equipment for pulley fabrication shall be following list :

- Big size outside grinding machine for pulley shaft(Φ 500×4m)
- Big size face lathe for pulley shell(Φ 2000×4m)
- Pit annealing furnace for pulley shell (Φ 3000×2400)
- Specialized welding machines (Automatic Submerge Arc for longitudinal welding seam for shell, circumference welding seam, Carbon Arc welding and Submerge Arc Welding for inside welding of boss)
- Four roller machine for pulley shell (δ 30×2500)
- Press machine (315 T single arm press machine, 300T four column press machine)



HUAWEI Mate 40 Pro
Ultra Vision Cine Camera | LEICA



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MIRACLE TONGLING



Drive Unit Machining

3. Drive unit and structure

All motor, gear unit, fluid coupling etc shall be supplied by our customer requirement to guarantee the reliability and performance. The driving unit shall be assembly and tested run before entering the warehouse. The test run for driving units are 4 hours, the label shall be attached after test the noise and assembly quality.

- All raw materials shall be ball blasting before steel structure fabrication. The preliminary treatment grade is Sa2 and apply primer coat.
- The profiled steels shall be cut by combined shear machine and punching machine.
- The plate shall be cut by photoelectricity cutting machine and shear machine to guarantee the cut quality. Welding shall comply with requirement of GB985, GB986. Any burn through, welding crack, non-complete fuse etc. Defects are not permitted.





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MIRACLE TONGLING



Material Shot Blasting Line

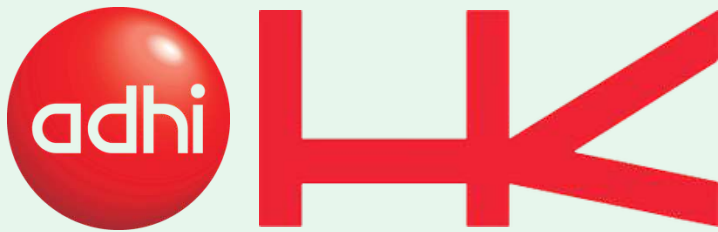
4. Paint

The surface need to paint shall be according to GB8923-88. The derust shall meet grade Sa2½ and the relative reference standard. With no specific requirement, two primers and two top paints shall be carried out.

In the workshop, two primers and one top shall be adopted. The primer is epoxy rich zinc, the intermediate is epoxy high building paint; the top is epoxy polyurethane. The finish color shall be decided our customer requirement.



Our Proud Customers



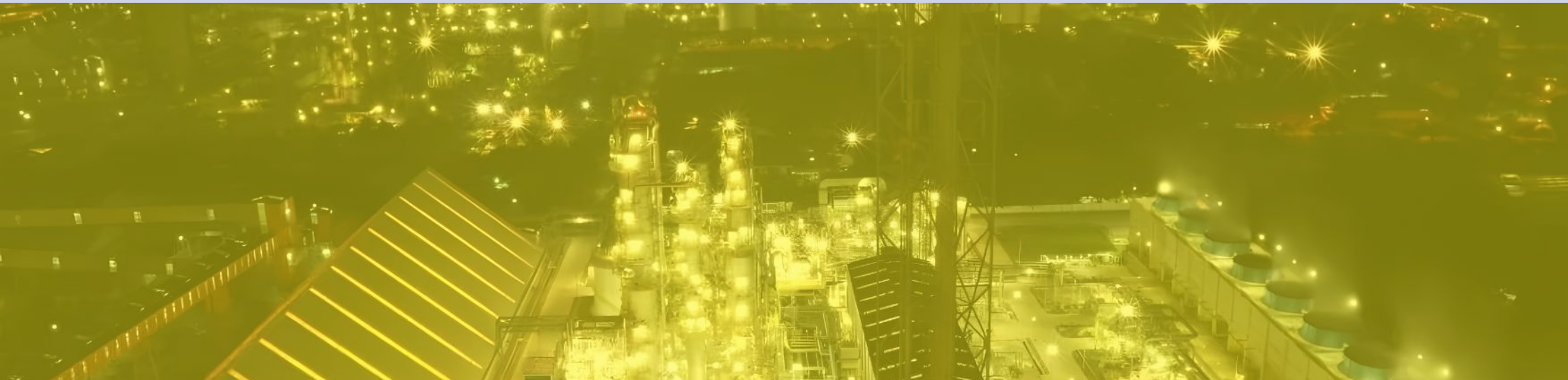
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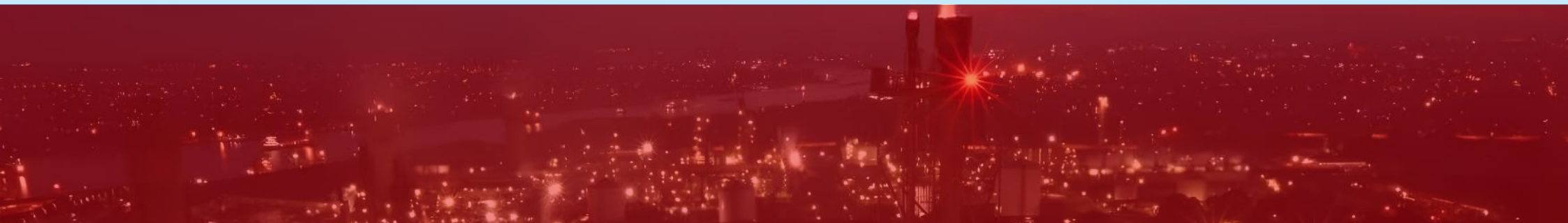


CONSTRUCTION & INVESTMENT





Documentation



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PT Dian Pelita Indonesia delivers integrated solutions across lighting, HVAC, display technology, electrical infrastructure, mechanical, and industrial systems. Through partnerships with trusted global brands, we provide reliable products designed to support modern projects with efficiency.

Guided by the values of an old batak proverb *Elat, Teal, Late* – representing Resilient in Commitment, Strong in Integrity, Trusted in Delivery – we are committed to building strong partnerships and delivering dependable solutions for every project we serve.

With a focus on innovation and sustainability, PT Dian Pelita Indonesia continues to support industries and infrastructure development, helping create better environments for businesses and communities. Together, we move forward to **make it Brighter.**

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