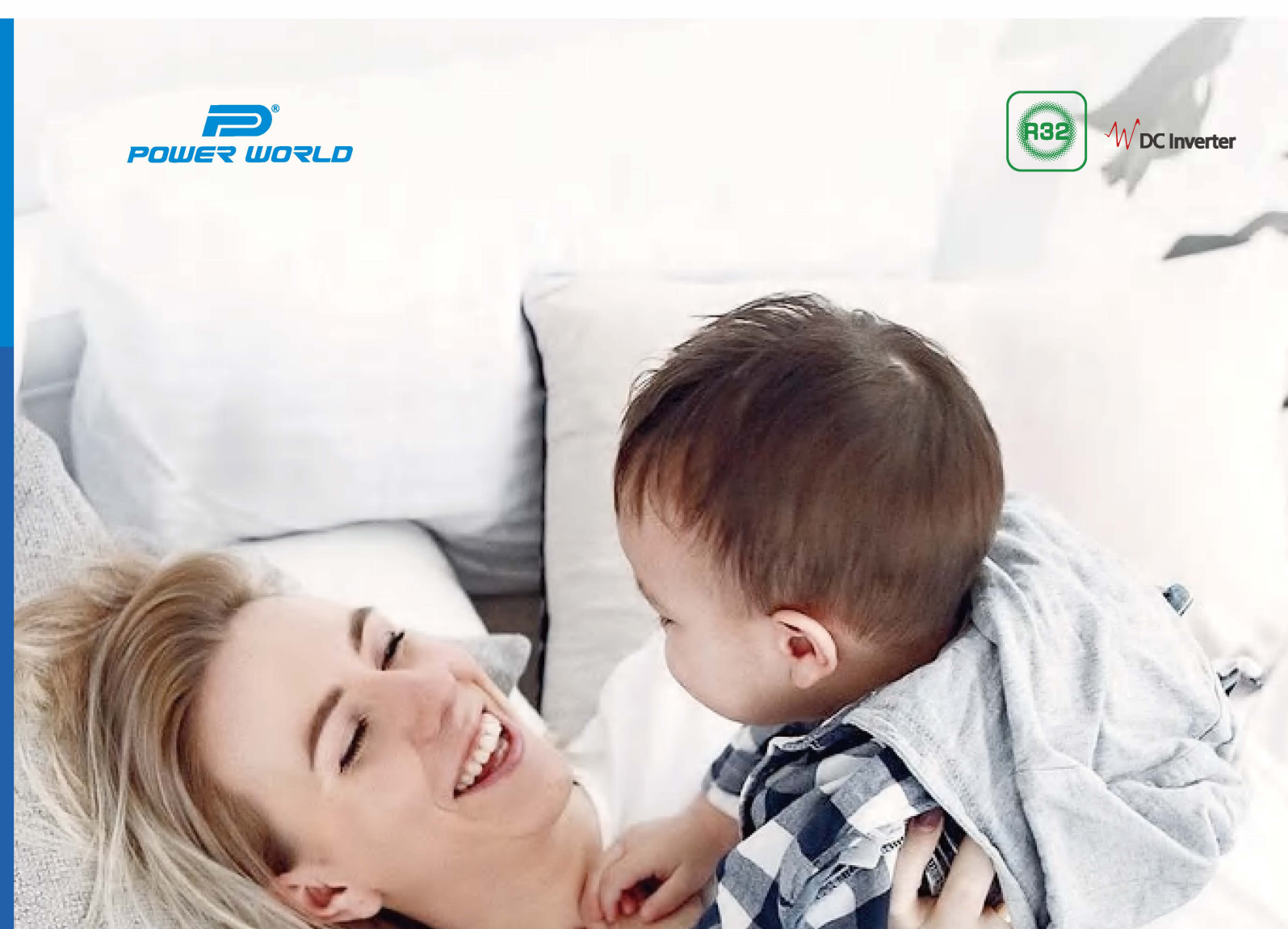




# POWER WORLD

THE POWER TO PROMOTE WORLD DEVELOPMENT!



## ECO HOME SERIES

SPLIT EVI DC INVERTER HEAT PUMP (R32)

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# ECO HOME SERIES

SPLIT EVI DC INVERTER HEAT PUMP (R32)

A+++

R32  
Non-Flammable Gas

COP  
5.1 MAX

-30°C

IoT  
CS

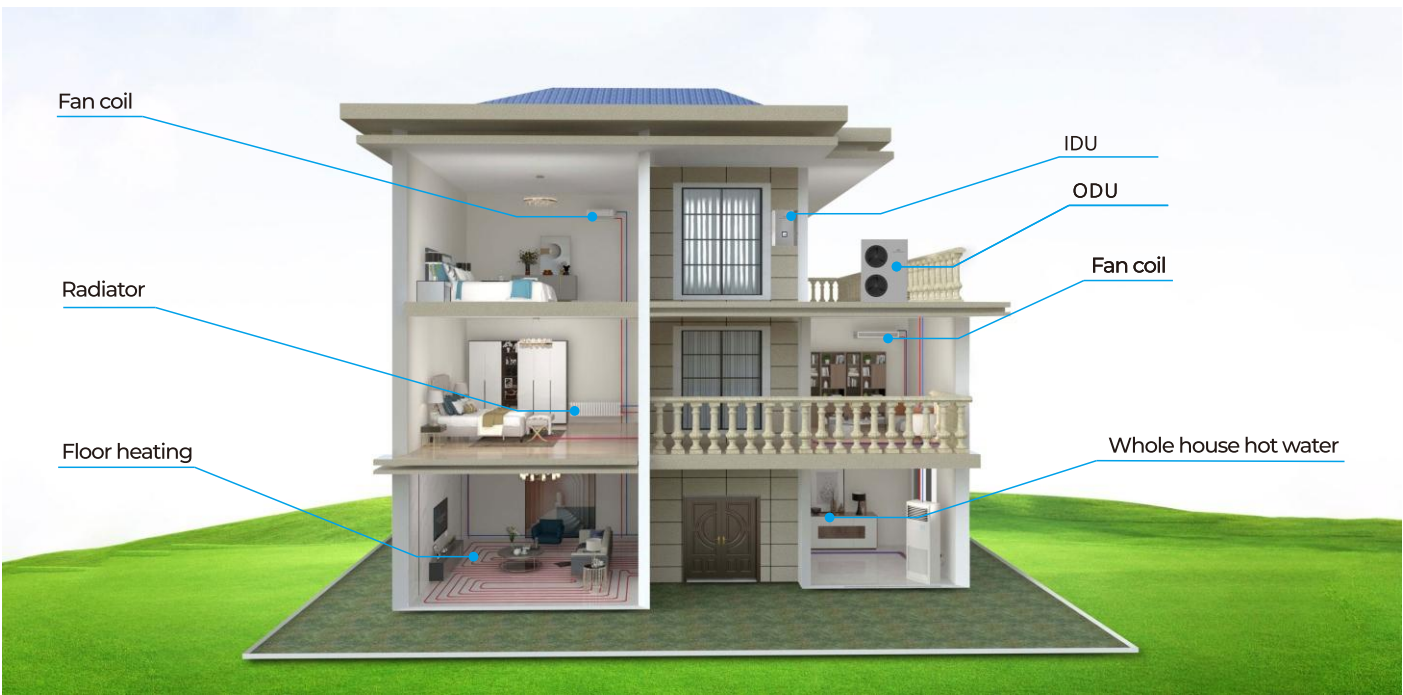
FULL DC INVERTER

SMART DEFROST

WIFI CONTROL

LOW NOISE

5  
OPERATING  
MODES



## PRODUCT FEATURES

The ECO HOME SERIES Split EVI DC Inverter Units is designed specially for European Market where there is a demand for Space heating/Cooling + Hot water. This unit can realize space heating & Sanitary hot water supply through terminal units, like the Fan coil unit, Floor coil & Radiator. It is widely applicable to small & medium-sized apartment, large-sized villa etc.

A+++

6.5~12.6kw

A+++

10.5~22kw

Split design with Indoor unit&Outdoor unit, Easy for installation, Screw-less appearance, Modern compact structure, With advanced remote diagnostic system to make sure ECO HOME Series Heat pump an ideal proposition for Owners of House.

INDOOR UNIT

STANDARD EQUIPMENT

Built In Expansion Tank

Built-in safety valve

exhaust valve

Flow sensor

Built In Dc Inverter Circulation Pump

Plate Heat exchanger

Built-in Auxiliary E-Heater

Built-in 2 pcs of 2 Way valve (Honeywell)

OUTDOOR UNIT

Panasonic Twin-rotary EVI Compressor

BLDC Motor

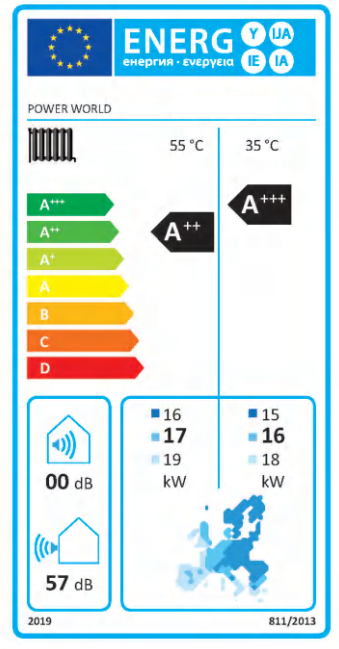
PRODUCT ADVANTAGES

BRAND NEW UPGRADE R32 REFRIGERANT



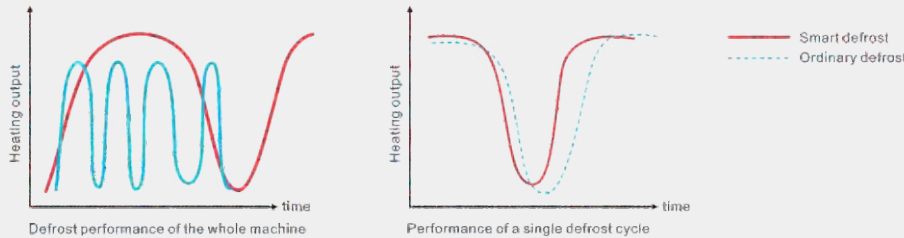
A+++ ENERGY LABEL

The whole series of products are strictly comply with EN14511 standard,EUROVENT Energy efficiency Class A and SCOP Class A+++ (35C),SCOP CLASS A++(55C) With EN14825 standard



INTELLIGENT DEFROST SYSTEM

Equipped perfect Automatic system with reverse valve inside for defrosting which can let the units stably work under ambient temperature of -30 Centigrade. At the same time, it will make optimal decisions on whether it is time to defrost or not.In this way,the unit is able to minimize energy consumption.



PRODUCT ADVANTAGES

EVI INVERTER TECHNOLOGY

Adopting the most advanced Panasonic Twin-rotary EVI technology compressor. Split EVI heat pump has been further optimized to enable heat pumps to efficiently produce water temperature up to 60 °C in an lowest -30 °C ambient temperature.



SMART CONTROL

The intelligent controller is adopted to realize the linkage control between the heat pump unit and the terminal application end.The WIFI APP enables users to operate their units through a smart phone wherever and whenever they are.



DC INVERTER HEAT PUMP FOR COOLING HEATING AND DHW(R32)



| PRODUCT MODEL                            |                             | PW040-DKZLRS-C               | PW060-DKZLRS-C                |
|------------------------------------------|-----------------------------|------------------------------|-------------------------------|
| Heating                                  | Heating Capacity Range (kW) | 6.5~12.6                     | 10.5~22                       |
|                                          | Heating input Range (kW)    | 1.41~2.99                    | 2.27~5.2                      |
|                                          | current Range (A)           | 6.45~13.7                    | 4.06~9.30                     |
|                                          | COP Range                   | 4.21~4.62                    | 4.23~4.63                     |
| Cooling                                  | Cooling capacity Range (kW) | 4.2~8.2                      | 7.2~14.2                      |
|                                          | Cooling input power(kW)     | 1.30~3.33                    | 2.17~5.55                     |
|                                          | current Range (A)           | 5.96~15.3                    | 3.88~9.93                     |
|                                          | EER Range                   | 2.46~3.23                    | 2.56~3.32                     |
| DHW                                      | Heating Capacity Range (kW) | 5.5~10.5                     | 8.8~17.5                      |
|                                          | Heating input Range (kW)    | 1.42~3.42                    | 2.24~5.61                     |
|                                          | current Range (A)           | 6.51~15.7                    | 4.01~10.0                     |
|                                          | COP Range                   | 3.07~3.86                    | 3.12~3.93                     |
| Refrigerant                              |                             | R32                          |                               |
| Power supply                             |                             | 230V/1Ph/50 - 60Hz           | 380V/3Ph/50 - 60Hz            |
| Working area                             |                             | -30~43                       |                               |
| Water pressure drop (kPa)                |                             | 25                           | 30                            |
| IP Grade (Level of protection)           |                             | IPX4                         | IPX4                          |
| Anti - electric shock Rate               |                             | I                            | I                             |
| Noise (dB(A))                            |                             | ≤53                          | ≤58                           |
| Net weight/Gross weight ( kg )           |                             | 90/100                       | 140/155                       |
| Water Connection (inch)                  |                             | 1(DN25)                      |                               |
| Heating Side Water Connection (inch)     |                             | 1(DN25)                      |                               |
| Hot Water Side Water Connection (inch)   |                             | 1(DN25)                      |                               |
| Body size(W*D*H) (mm)                    |                             | 1030×475×970/<br>700×500×272 | 1000×480×1380/<br>700×500×272 |
| ErP Level (35℃)                          |                             | A+++                         | A+++                          |
| ErP Level (55℃)                          |                             | A++                          | A++                           |
| Compressor Brand                         |                             | Panasonic                    |                               |
| Four - way valve                         |                             | Sanhua                       |                               |
| Expansion valve                          |                             | Sanhua                       |                               |
| Electric 2 - way Valve                   |                             | Honywell                     |                               |
| Water Pump Brand                         |                             | Shimge                       |                               |
| Water Head (m)                           |                             | 9m                           | 12m                           |
| Expansion Tank(L)                        |                             | 2L                           | 5L                            |
| Electric Heater(kW)                      |                             | 3                            |                               |
| Operating water temperature (°C) DHW     |                             | 20~55                        |                               |
| Operating water temperature (°C) heating |                             | 20~55                        |                               |
| Operating water temperature (°C) cooling |                             | 7~35                         |                               |

REMARK:

Heating working condition: Inlet water temperature 30℃, Outlet water temperature 35℃, Dry bulb temperature 7℃, Wet bulb temperature 6℃.  
Cooling working condition: Inlet water temperature 12℃, Outlet water temperature 7℃, Dry bulb temperature 35℃, Wet bulb temperature 24℃.  
DHW working condition: Inlet water temperature 15℃, Outlet water temperature 55℃, Dry bulb temperature 7℃, Wet bulb temperature 6℃.

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