



POWER WORLD

THE POWER TO PROMOTE WORLD DEVELOPMENT!



ECO HOME SERIES

SPLIT EVI DC INVERTER HEAT PUMP (R32)



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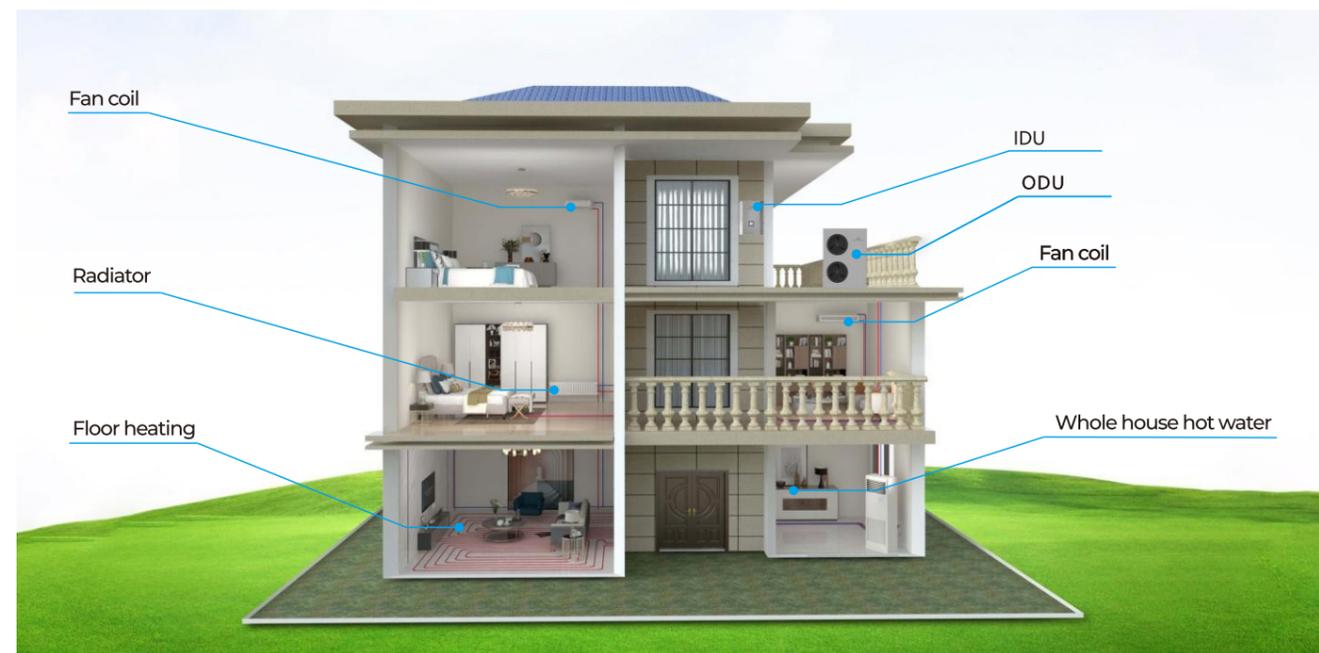
Website: www.powerworld-e.com



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.



6.5~12.6kw



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 Dc Inverter Circulation Pump
- Plate Heat exchanger
- Built-in Auxiliary E-Heater
- Built-in 2 pcs of 2 Way valve (Honeywell)

- Built in Expansion Tank
- Built-in safety valve
- exhaust valve
- Flow sensor

With Additional Terminal Block to connect with other equipment, Like Room thermostat.

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

Efficiency Class	Color
A+++	Dark Green
A++	Light Green
A+	Yellow-Green
A	Yellow
B	Orange
C	Red-Orange
D	Red

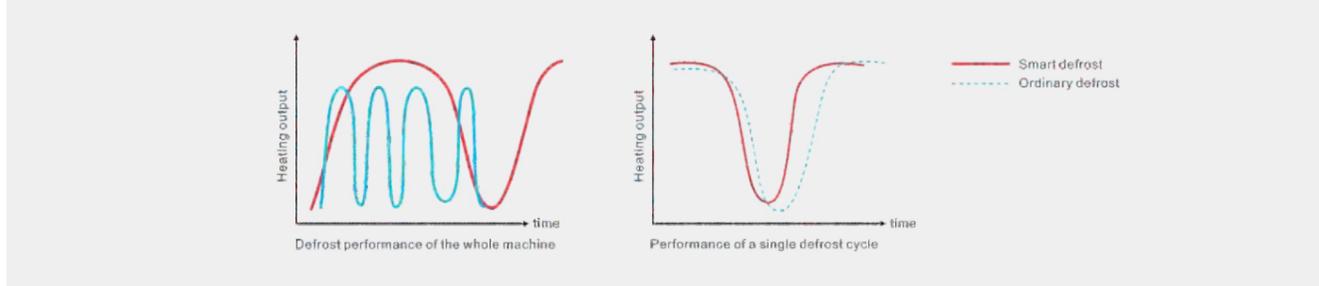
00 dB (indoor), 57 dB (outdoor)

16 kW (indoor), 15 kW (outdoor)

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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/ 700×500×272	1000×480×1380/ 700×500×272
ErP Level (35°C)		A+++	A+++
ErP Level (55°C)		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°C, Outlet water temperature 35°C, Dry bulb temperature 7°C, Wet bulb temperature 6°C.
Cooling working condition: Inlet water temperature 12°C, Outlet water temperature 7°C, Dry bulb temperature 35°C, Wet bulb temperature 24°C.
DHW working condition: Inlet water temperature 15°C, Outlet water temperature 55°C, Dry bulb temperature 7°C, Wet bulb temperature 6°C.

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