

POWER WORLD

BENEFIT HUMAN BEINGS WITH NEW ENERGY TECHNOLOGY

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CE ERP



/// EVI DC INVERTER HEAT PUMP

Monoblock Type/Compatible boiler



HEATING



COOLING



DHW

R32



POWER WORLD

Founded in 2004, stock code 870092



Power World Machinery Equipment Co., Ltd. is one of the largest air-to-water heat pump manufacturers and service providers in China, an innovative pioneer in the zero-carbon heat pump field, continuously honored with the top 10 leading brands in China. In the past 20 years, we have been focused on the R&D, production and sales of heat pumps, committed to providing high-quality heating and cooling solutions to users around the world.



Factory 01

Founded in 2004,
Area 30,000m²



Factory 02

Founded in 2022,
Area 20,000m²



Factory 03

Officially operational in 2024,
Area 140,000m²



Factory 04

Founded in 2022,
Area 6000m²
Sheet metal and Fin
heat exchanger production
base Annual output value
50 million CNY



500-1000
employees



400+
Patents



the Netherlands & Germany
European Center

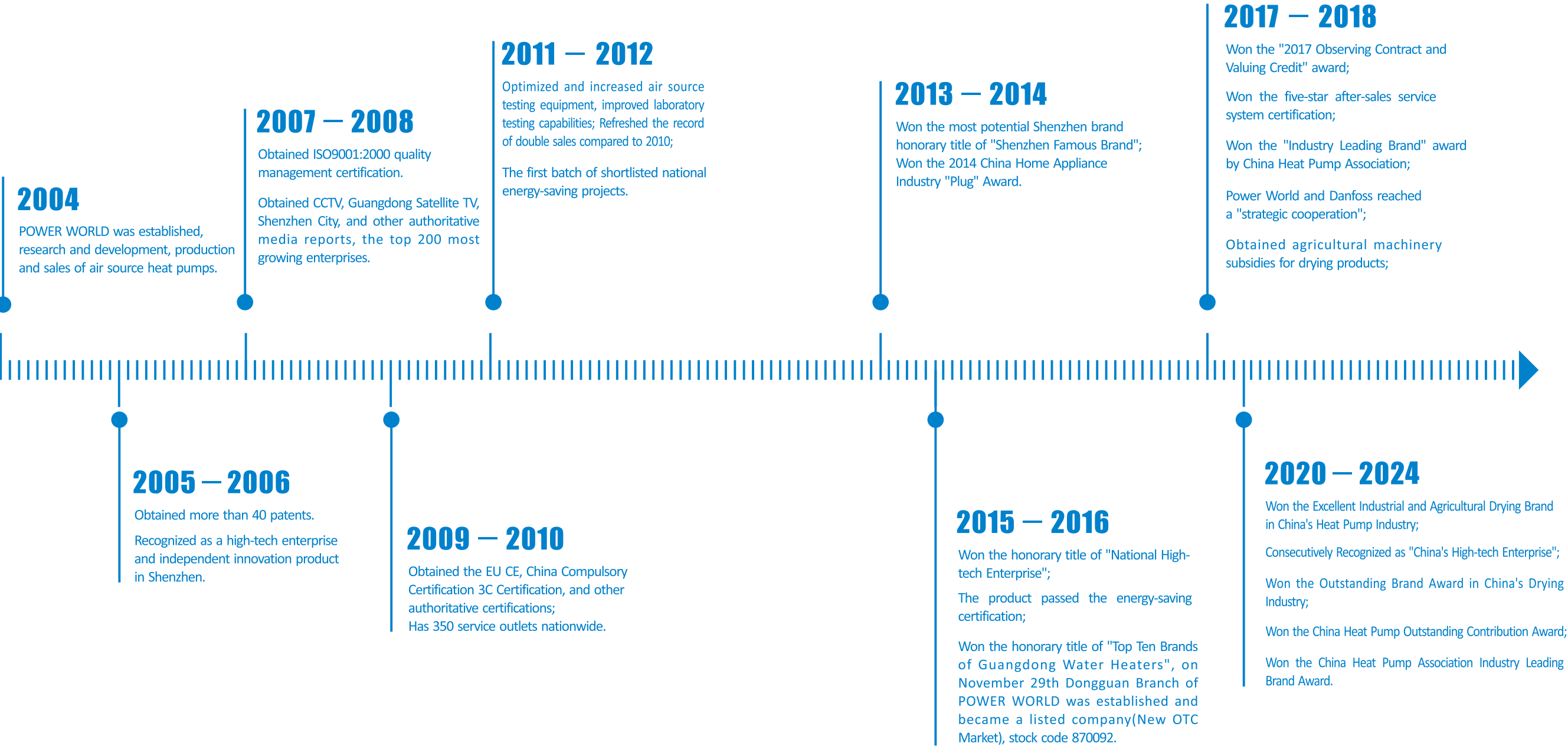
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EVI DC INVERTER HEAT PUMP

Space Heaing/Cooling/DHW Heat Pump

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CORPORATE HISTORY



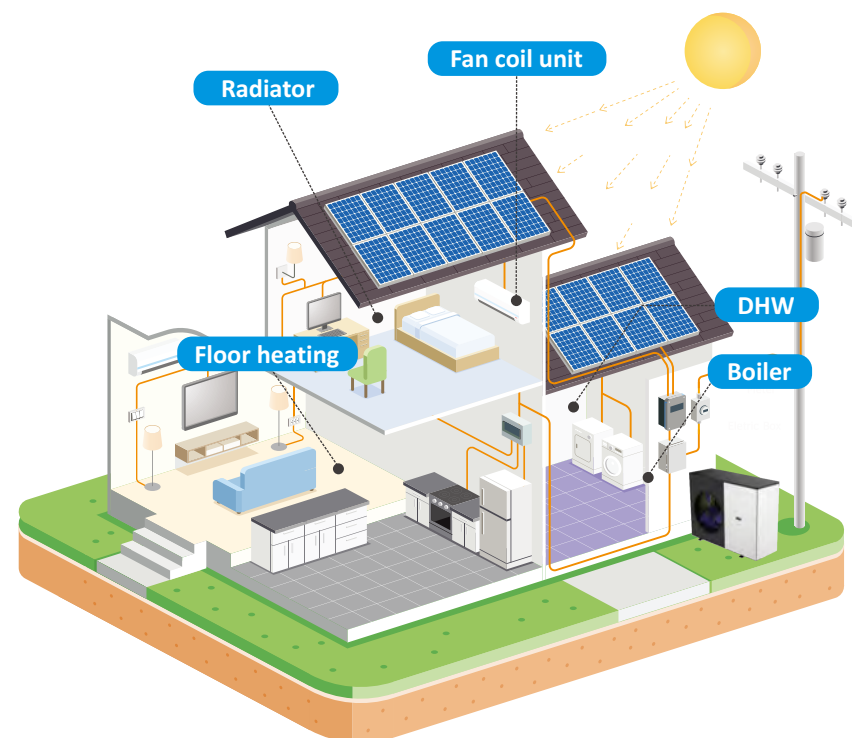
HEATING COOLING AND DHW IN ONE SYSTEM

Up to 75% of energy comes from nature



SG-Ready&PV-Ready heat pump

low electricity bill for heating/cooling (theoretically)



8 ADVANTAGES OF EVI HEAT PUMP



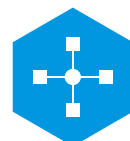
EVI ULTRA-LOW TEMPERATURE TECHNOLOGY

-30°C strong heating, 24 hours stable heating



SG-READY TECHNOLOGY

Access to smart grid and EUV photovoltaic joint control



MULTIPLE HEAT SOURCE SUPPLY

Supports auxiliary heat source(e.g., boiler), tank booster heater and solar energy control.



INTELLIGENT INVERTER TECHNOLOGY

Intelligent frequency conversion operation, more energy-saving and comfortable



SILENT TECHNOLOGY

Multiple noise-reduction processes, noise as low as 43dB at 1M.



ENERGY MANAGEMENT TECHNOLOGY

Intelligently record daily/weekly/monthly energy consumption data, which is convenient for users to make adjustments and save energy.



CASCADING FUNCTION

Maximum cascading of 8 units to meet greater needs



COMPREHENSIVE PROTECTION TECHNOLOGY

Fully intelligent identification and control of defrost, antifreeze, power outage, voltage, water flow, etc.

R32 Easylife Series

EVI DC INVERTER HEAT PUMP Monoblock Type



SG-Ready



PV-Ready

-30°C~43°C
Heating | Cooling | DHW

15
Languages

4.72
Max SCOP

ERP
A+++

43
dB



8.4KW~35KW/220V/1Ph~380V/3Ph
Optional: Built-in/No water pump

ERP Label Test by TUV according to EN14825:2022.

- ✓ The highest ERP grade: A+++/35°C
- ✓ The maximum SCOP reaches 4.72.



Key Features

- 4 Operating modes: Powerful/Smart/Silent/Vacation
- SG-Ready& PV-Ready functions
- Real-time energy consumption curves
- Maximum cascading 8 units
- Smart sterilization every 7 days(DHW)
- 20~60°C Smart temperature adjustment (Heating)
- Multiple noise reduction, noise as low as 43dB at 1M.
- Flexible setting of timer and temperature
- Two electric heater control ports
- RS485 port and Modbus protocol
- Support Remote WIFI and Power World IoT



NEW UPGRADED WIRE CONTROLLER

It can be installed anywhere in the house, and the multi-language function allows users to easily switch operating modes, set temperatures, view parameter tables, historical records, etc.



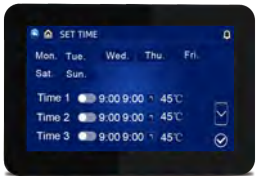
UPGRADED TO



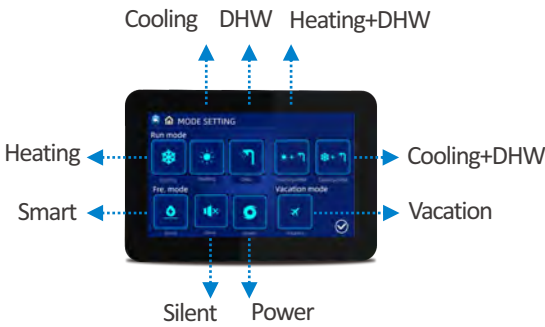
4 inches

5 inches

Font information is more clear and easy to understand.



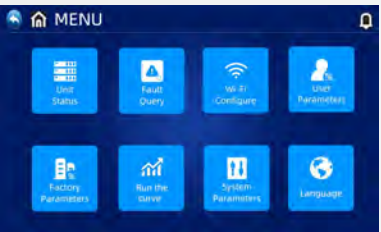
Timer function



More complete functions and easier operation



Available in 15 languages



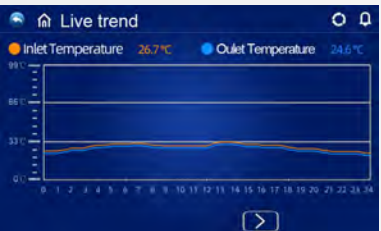
OPERATION DATA MONITORING AND TROUBLESHOOTING

User, factory, system operating parameters and fault query functions can help users monitor the operating status of the unit and quickly troubleshoot faults, etc.



CASCADE FUNCTION

Maximum cascaded 8 units, can meet greater demands. Control the operation/shutdown of multiple heat pumps with one click, easy to operate.



ENERGY CONSUMPTION CURVE

Energy consumption data visualization, real-time monitoring and adjustment. Including temperature curve, operating power curve, COP curve, heating capacity, and daily/monthly/annual power consumption curve.

SMART CONTROL, SMART HOME

Smart Life/Tuya Smart App

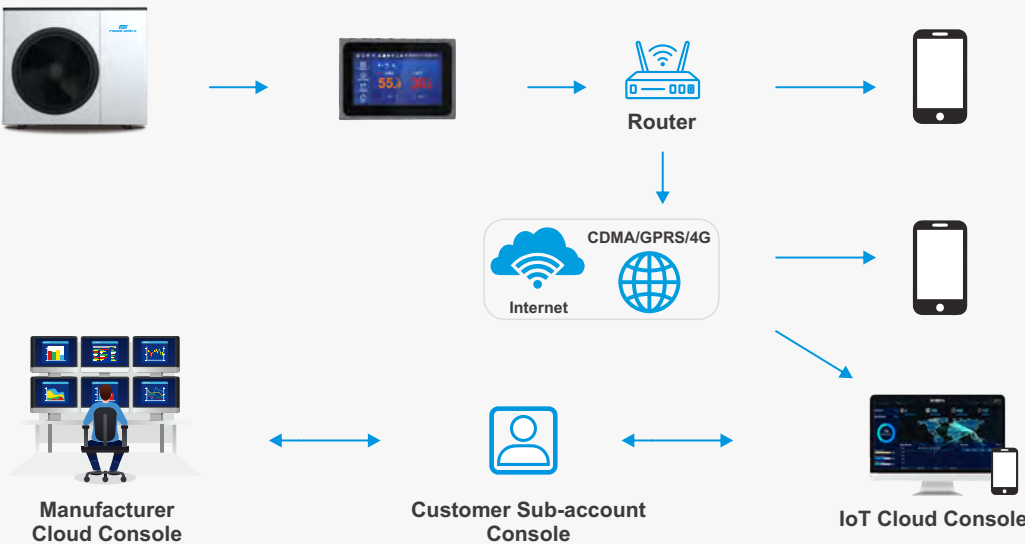
WIFI remote control. Simple operation, easily check or control your heat pump from anywhere!



Smart IoT Cloud Control

Real-time monitoring, data operation and maintenance, saving time and costs for users, dealers, and manufacturers.

* Communication method: WIFI and DTU
* For detailed function display, please log in or view the manual.



✓ BIG DATA MANAGEMENT:
Global device data collection, statistics, analysis and management.

✓ EQUIPMENT MANAGEMENT
Information statistics/operation status/parameter viewing and setting/fault diagnosis report/operation log, etc.

✓ OTA UPGRADE
Quickly fix code defects and remotely iteratively upgrade product mainboard.

220V RESIDENTIAL EVI DC INVERTER HEAT PUMP

MODEL		No Water Pump			Built-in DC Inverter Water Pump		
		PW030 -DKZLRS-A	PW040 -DKZLRS-A	PW050 -DKZLRS-A	PW030 -DKZLRS-B/S	PW040 -DKZLRS-B/S	PW050 -DKZLRS-B/S
Heating Condition: Ambient Temp. (DB/WB): 7°C/6°C, Water temperature(inlet/outlet): 30°C/35°C							
Heating Capacity Range (kW)		2.8~8.40	4.40~13.00	5.9~18.2	2.8~8.40	4.40~13.00	5.9~18.2
Heating Power Input Range(kW)		0.57~1.87	0.90~3.02	1.20~4.11	0.62~1.97	0.95~3.12	1.28~4.26
Current Range (A)		2.61~8.30	4.12~13.8	5.49~18.8	2.83~8.74	4.13~14.01	5.50~19.01
COP Range		4.49~4.91	4.30~4.90	4.43~4.92	4.26~4.52	4.17~4.63	4.27~4.61
Cooling Condition: Ambient Temp. (DB/WB): 35°C/24°C, Water temperature(inlet/outlet): 12°C/7°C							
Cooling Capacity Range (kW)		2.1~6.22	2.80~8.20	3.81~11.53	2.1~6.22	2.80~8.20	3.81~11.53
Cooling Power Input Range(kW)		0.62~2.18	0.85~3.31	1.11~4.05	0.67~2.28	0.90~3.41	1.19~4.20
Current Range (A)		2.84~9.67	3.89~15.1	5.08~18.5	3.06~10.11	3.91~15.21	5.11~18.64
EER Range		2.85~3.41	2.48~3.29	2.85~3.43	2.73~3.13	2.40~3.11	2.75~3.20
DHW Condition: Ambient Temp. (DB/WB): 7°C/6°C, Water temperature(inlet/outlet): 15°C/55°C							
Heating Capacity Range (kW)		2.3~6.81	3.52~10.50	4.80~14.72	2.3~6.81	3.52~10.50	4.80~14.72
Heating Power Input Range(kW)		0.56~2.13	0.88~3.39	1.17~4.60	0.61~2.23	0.93~3.49	1.25~4.75
Current Range (A)		2.56~9.45	4.03~15.5	5.35~21.1	2.78~9.89	4.14~15.67	5.43~21.22
COP Range		3.2~4.1	3.1~4.0	3.2~4.1	3.05~3.77	3.01~3.78	3.10~3.84
Space Heating (According to EN14825:2022) Average Climate Water Outlet 35°C	Rated heat output (kW)	4.13	8.94	18.26	4.38	8.94	18.26
	Seasonal Space Heating Energy Efficiency (SCOP)	4.45	4.7	4.73	4.46	4.7	4.73
	ErP Level	A+++	A+++	A+++	A+++	A+++	A+++
	Sound pressure level (dB(A)) at 1 meter	44	45	51	41	45	51
Space Heating (According to EN14825:2022) Average Climate Water Outlet 55°C	Rated heat output (kW)	4.34	8.46	15.52	5.09	8.46	15.52
	Seasonal Space Heating Energy Efficiency (SCOP)	3.27	3.35	3.51	3.3	3.35	3.51
	ERP Level	A++	A++	A++	A++	A++	A++
	Sound pressure level (dB(A)) at 1 meter	49	49	53	48	49	53
Power supply		230V/1Ph/50Hz/60Hz					
Diameter of pipe (mm)		DN25	DN25	DN25	DN25	DN25	DN25
Net Weight (kg)		95	105	105	105	115	160
Body size(W*D*H) (mm)		970×475×820	1100×475×960	1050×480×1380	970×475×820	1100×475×960	1050×480×1380
Operation Ambient Temp. (°C)		-30~43					
Operating water temperature (°C)		28~55(DHW)					
Operating water temperature (°C)		15~55(Heating)					
Operating water temperature (°C)		7~30(Cooling)					

Note:The data above is for reference only, Please refer to the nameplate on the unit if for more specific data.

380V COMMERCIAL EVI DC
INVERTER HEAT PUMP

NO WATER PUMP						
MODEL	PW040 -DKZLRS-A	PW045- DKZLRS-A	PW050 -DKZLRS-A	PW060 -DKZLRS-A	PW080 -DKZLRS-A	PW100 -DKZLRS-A
Heating Condition: Ambient Temp. (DB/WB): 7°C/6°C, Water temperature(inlet/outlet): 30°C/35°C						
Heating Capacity Range (kW)	4.40~13.00	5.8~15.5	5.9~18.2	7.5~23.0	10.2~28.0	12.8~35.0
Heating Power Input Range(kW)	0.90~3.02	1.17~3.56	1.20~4.11	1.53~5.23	2.07~6.36	2.61~7.99
Current Range (A)	1.39~4.68	2.09~6.36	1.86~6.37	2.37~8.11	3.70~11.4	4.67~14.3
COP Range	4.30~4.90	4.35~4.95	4.43~4.92	4.40~4.90	4.40~4.92	4.38~4.90
Cooling Condition: Ambient Temp. (DB/WB): 35°C/24°C, Water temperature(inlet/outlet): 12°C/7°C						
Cooling Capacity Range (kW)	2.80~8.20	5.5~11.0	3.81~11.53	4.73~14.6	6.54~19.8	8.13~24.6
Cooling Power Input Range(kW)	0.85~3.31	1.62~3.89	1.11~4.05	1.39~5.14	1.92~6.97	2.42~8.75
Current Range (A)	1.32~5.13	2.9~6.95	1.72~6.28	2.16~7.97	3.43~12.5	4.33~15.6
EER Range	2.48~3.29	2.83~3.40	2.85~3.43	2.84~3.40	2.84~3.40	2.81~3.36
DHW Condition: Ambient Temp. (DB/WB): 7°C/6°C, Water temperature(inlet/outlet): 15°C/55°C						
Heating Capacity Range (kW)	3.52~10.50	8.2~13.6	4.80~14.72	6.1~18.5	12.3~20.4	13.6~22.6
Heating Power Input Range(kW)	0.88~3.39	1.86~3.58	1.17~4.60	1.53~5.97	2.8~5.37	3.09~5.95
Current Range (A)	1.36~5.26	3.32~6.4	1.82~7.15	2.37~9.26	5.0~9.6	5.52~10.6
COP Range	3.1~4.0	3.8~4.4	3.2~4.1	3.1~4.0	3.8~4.4	3.8~4.4
Space Heating (According to EN14825:2022) Average Climate Water Outlet 35°C	Rated heat output (kW)	7.00	12.01	16.17	17.67	18.92
	Seasonal Space Heating Energy Efficiency (SCOP)	4.46	4.77	4.45	4.45	4.53
	ErP Level	A+++	A+++	A+++	A+++	A+++
	Sound pressure level (dB(A)) at 1 meter	46	45	54	56	/
Space Heating (According to EN14825:2022) Average Climate Water Outlet 55°C	Rated heat output (kW)	7.19	12.97	17.01	18.25	22.11
	Seasonal Space Heating Energy Efficiency (SCOP)	3.25	3.66	3.41	3.38	3.45
	ERP Level	A++	A++	A++	A++	A++
	Sound pressure level (dB(A)) at 1 meter	51	46	58	60	/
Power supply		380V/3Ph/50-60Hz				
Diameter of pipe (mm)		DN25	DN25	DN25	DN25	DN32
Net Weight (kg)		105	130	150	155	210
Body size(W*D*H) (mm)		1100×475×960	1080×480×1060	1050×480×1380	1050×480×1380	1160×500×1580
Operation Ambient Temp. (°C)		-30~43				
Operating water temperature (°C)		28~55(DHW)				
Operating water temperature (°C)		15~55(Heating)				
Operating water temperature (°C)		7~30(Cooling)				

Note:The data above is for reference only, Please refer to the nameplate on the unit if for more specific data.

380V COMMERCIAL EVI DC
INVERTER HEAT PUMP

BUILT-IN DC INVERTER WATER PUMP			
MODEL	PW040-DKZLRS-B	PW050-DKZLRS-B	PW060-DKZLRS-B
Heating Condition: Ambient Temp. (DB/WB): 7°C/6°C, Water temperature(inlet/outlet): 30°C/35°C			
Heating Capacity Range (kW)	4.40~13.00	5.9~18.2	7.5~23.0
Heating Power Input Range(kW)	0.95~3.12	1.28~4.26	1.61~5.38
Current Range (A)	1.39~4.68	1.86~6.37	2.37~8.11
COP Range	4.17~4.63	4.27~4.61	4.28~4.66
Cooling Condition: Ambient Temp. (DB/WB): 35°C/24°C, Water temperature(inlet/outlet): 12°C/7°C			
Cooling Capacity Range (kW)	2.80~8.20	3.81~11.53	4.73~14.6
Cooling Power Input Range(kW)	0.90~3.41	1.19~4.20	1.47~5.29
Current Range (A)	1.32~5.13	1.72~6.28	2.16~7.97
EER Range	2.40~3.11	2.75~3.20	2.76~3.22
DHW Condition: Ambient Temp. (DB/WB): 7°C/6°C, Water temperature(inlet/outlet): 15°C/55°C			
Heating Capacity Range (kW)	3.52~10.50	4.80~14.72	6.1~18.5
Heating Power Input Range(kW)	0.93~3.49	1.25~4.75	1.61~6.12
Current Range (A)	1.36~5.26	1.82~7.15	2.37~9.26
COP Range	3.01~3.78	3.10~3.84	3.02~3.79
Space Heating (According to EN14825:2022) Average Climate Water Outlet 35°C	Rated heat output (kW)	7.20	15.51
	Seasonal Space Heating Energy Efficiency (SCOP)	4.49	4.57
	ErP Level	A+++	A+++
	Sound pressure level (dB(A)) at 1 meter	44	53
Space Heating (According to EN14825:2022) Average Climate Water Outlet 55°C	Rated heat output (kW)	6.95	14.66
	Seasonal Space Heating Energy Efficiency (SCOP)	3.25	3.45
	ERP Level	A++	A++
	Sound pressure level (dB(A)) at 1 meter	48	57
Power supply		380V/3Ph/50-60Hz	
Diameter of pipe (mm)		DN25	DN25
Net Weight (kg)		115	160
Body size(W*D*H) (mm)		1100×475×970	1050×480×1380
Operation Ambient Temp. (°C)		-30~43	
Operating water temperature (°C)		28~55(DHW)	
Operating water temperature (°C)		15~55(Heating)	
Operating water temperature (°C)		7~30(Cooling)	

Note:The data above is for reference only, Please refer to the nameplate on the unit if for more specific data.

220V&380V EVI DC INVERTER HEAT PUMP
(WITH 5 INCH WIRED CONTROLLER)

BUILT-IN DC INVERTER WATER PUMP(WITH 5 INCH WIRED CONTROLLER)			
MODEL	PW030-DKZLRS-B/S	PW040-DKZLRS-B	PW050-DKZLRS-B
Heating Condition: Ambient Temp. (DB/WB): 7°C/6°C, Water temperature(inlet/outlet): 30°C/35°C			
Heating Capacity Range (kW)	2.8~8.40	4.40~13.00	5.9~18.2
Heating Power Input Range(kW)	0.62~1.97	0.95~3.12	1.28~4.26
COP Range	4.26~4.52	4.17~4.63	4.27~4.61
Cooling Condition: Ambient Temp. (DB/WB): 35°C/24°C, Water temperature(inlet/outlet): 12°C/7°C			
Cooling Capacity Range (kW)	2.1~6.22	2.80~8.20	3.81~11.53
Cooling Power Input Range(kW)	0.67~2.28	0.90~3.41	1.19~4.20
EER Range	2.73~3.13	2.40~3.11	2.75~3.20
DHW Condition: Ambient Temp. (DB/WB): 7°C/6°C, Water temperature(inlet/outlet): 15°C/55°C			
Heating Capacity Range (kW)	2.3~6.81	3.52~10.50	4.80~14.72
Heating Power Input Range(kW)	0.61~2.23	0.93~3.49	1.25~4.75
COP Range	3.05~3.77	3.01~3.78	3.10~3.84
Power supply	230V/1Ph/50Hz/60Hz	380V/3Ph/50-60Hz	
Max. power input(kW)	3.6	4.5	6.5
Max. current (A)	16.5	8.5	12.3
Fuse or circuit breaker (A)	25	16	20
Wire diameter mm²	4mm²	2.5mm²	4mm²
Diameter of pipe (mm)	DN25	DN25	DN25
Water Flow(m3/h)	1.5	2.2	3.2
Water Pressure Drop (max) kPa	30	35	40
Net Weight (kg)	105	115	160
Body size(W*D*H) (mm)	970×475×820	1100×475×970	1050×480×1380
Refrigerant	R32/1.3kg	R32/1.6kg	R32/2.7kg
Compressor	Panasonic	Panasonic	Panasonic
Water pump	SHIMGE	SHIMGE	SHIMGE
Operation Ambient Temp. (°C)	-30~43		
Operating water temperature (°C)	28~55(DHW)		
Operating water temperature (°C)	15~55(Heating)		
Operating water temperature (°C)	7~30(Cooling)		

Note:The data above is for reference only, Please refer to the nameplate on the unit if for more specific data.

220V&380V EVI DC INVERTER HEAT PUMP
(WITH 5 INCH WIRED CONTROLLER)

BUILT-IN DC INVERTER WATER PUMP(WITH 5 INCH WIRED CONTROLLER)			
MODEL	PW060-DKZLRS-B	PW080-DKZLRS-B	PW100-DKZLRS-B
Heating Condition: Ambient Temp. (DB/WB): 7°C/6°C, Water temperature(inlet/outlet): 30°C/35°C			
Heating Capacity Range (kW)	7.5~23.0	10.2~28.0	12.8~35.0
Heating Power Input Range(kW)	1.61~5.38	2.17~6.56	2.71~8.19
COP Range	4.28~4.66	4.27~4.70	4.27~4.72
Cooling Condition: Ambient Temp. (DB/WB): 35°C/24°C, Water temperature(inlet/outlet): 12°C/7°C			
Cooling Capacity Range (kW)	4.73~14.6	6.54~19.8	8.13~24.6
Cooling Power Input Range(kW)	1.47~5.29	2.02~7.17	2.52~8.95
EER Range	2.76~3.22	2.76~3.24	2.75~3.23
DHW Condition: Ambient Temp. (DB/WB): 7°C/6°C, Water temperature(inlet/outlet): 15°C/55°C			
Heating Capacity Range (kW)	6.1~18.5	12.3~20.4	13.6~22.6
Heating Power Input Range(kW)	1.61~6.12	2.9~5.57	3.19~6.15
COP Range	3.02~3.79	3.66~4.24	3.67~4.26
Power supply	380V/3Ph/50-60Hz		
Max. power input(kW)	7.35	10.1	12
Max. current (A)	14	19	22.8
Fuse or circuit breaker (A)	25	32	32
Wire diameter mm²	4mm²	6mm²	6mm²
Diameter of pipe (mm)	DN25	DN32	DN32
Water Flow(m3/h)	3.9	4.8	6.0
Water Pressure Drop (max) kPa	45	50	55
Net Weight (kg)	165	220	240
Body size(W*D*H) (mm)	1050×480×1380	1160×500×1580	1160×500×1580
Refrigerant	R32/2.7kg	R32/3.0kg	R32/4.0kg
Compressor	Panasonic	Panasonic	Panasonic
Water pump	SHIMGE	AWMT	AWMT
Operation Ambient Temp. (°C)	-30~43		
Operating water temperature (°C)	28~55(DHW)		
Operating water temperature (°C)	15~55(Heating)		
Operating water temperature (°C)	7~30(Cooling)		

Note:The data above is for reference only, Please refer to the nameplate on the unit if for more specific data.

R32 Easylife Plus Series

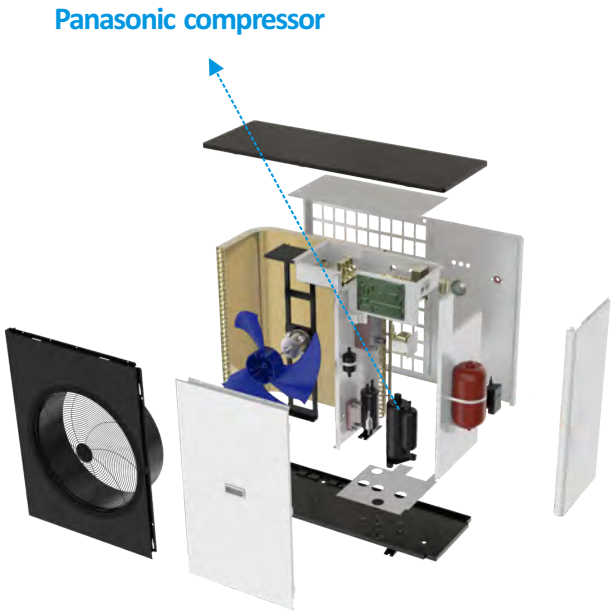
EVI DC INVERTER HEAT PUMP
Monoblock Type



SG-Ready



PV-Ready



Key Features

- 4 Operating modes: Automatic/Holiday/Silent/Energy saving
- SG-Ready& PV-Ready functions
- Compatible with E-boiler
- Dual zone temperature control
- 32 Smart Climate temperature curves
- Maximum cascading 8 units
- Smart high-temperature sterilization
- Multiple noise reduction, noise as low as 45dB at 1M.
- Flexible setting of timer and temperature
- Rs485 port and Modbus protocol
- Remote WIFI App control
- Built-in 3KW backup E-heater

MULTIPLE HEAT SOURCE SUPPLY + DUAL-ZONE TEMP CONTROL

-30°C~43°C
Heating | Cooling | DHW

8
Languages

5.36
COP

ERP
A+++

45
dB

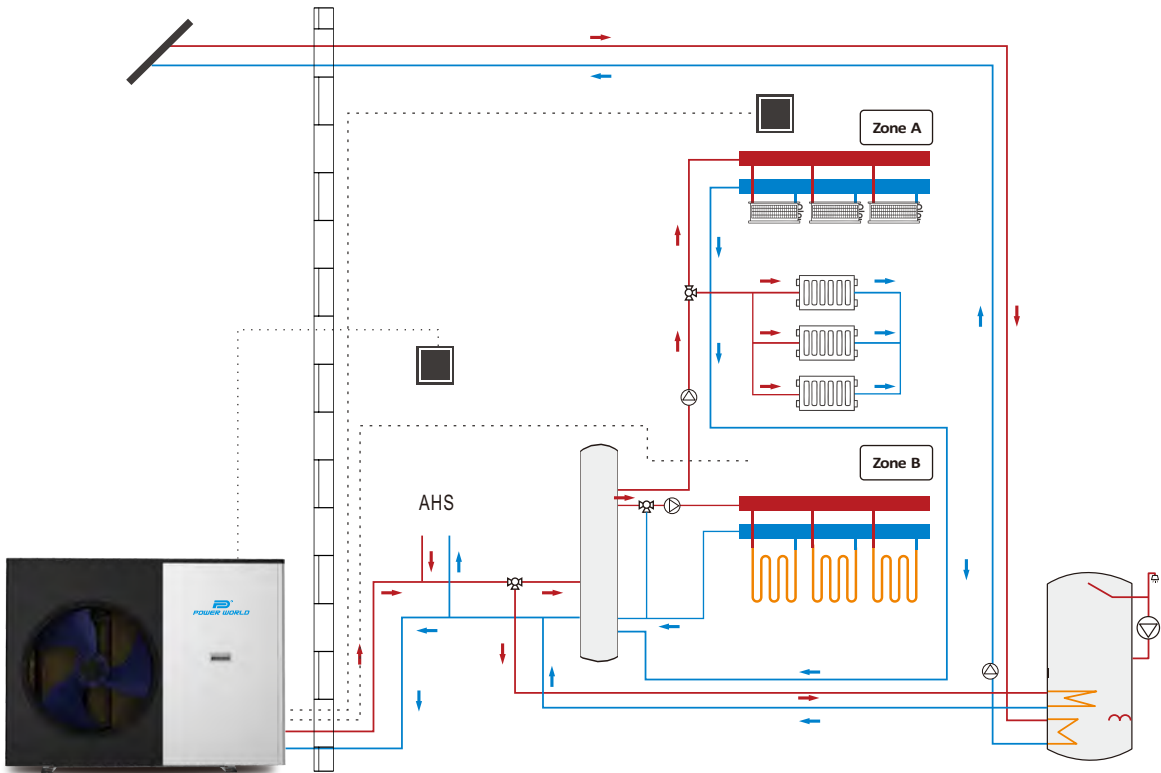


8KW~22KW/220V/1Ph~380V/3Ph

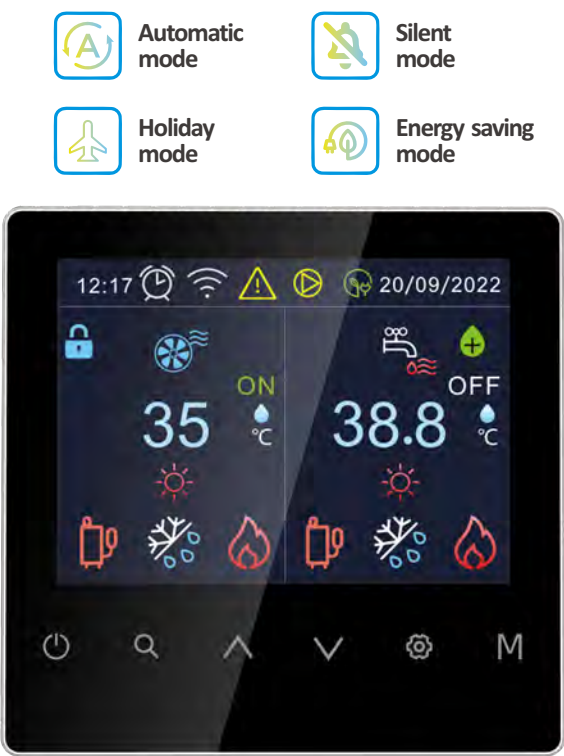
COMPATIBLE BOILER

Support multiple heat sources joint supply

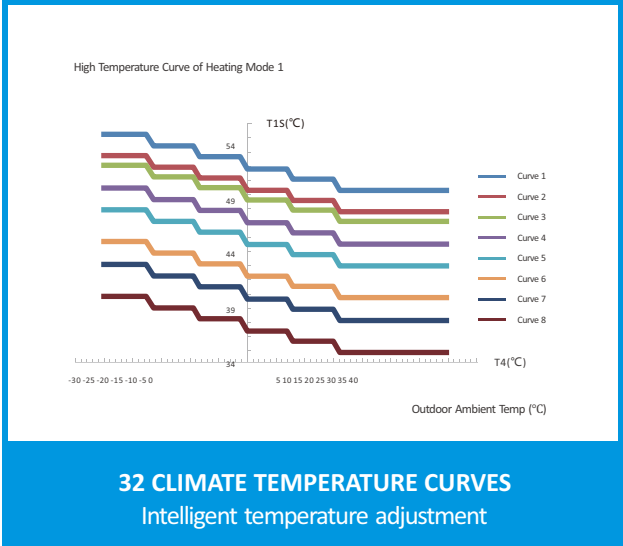
- ✓ ERP Level A+++ (35°C)
- ✓ maximum COP reaches 5.36



SUPER POWERFUL SMART CONTROL SYSTEM



4-inch touch controller



Languages cascade max 8 unit WIFI module

- ✓ Built-in temperature sensor
- ✓ High-temperature sterilization
- ✓ Peak-valley electricity status
- ✓ Automatic fault diagnosis and reporting
- ✓ Parameter/mode setting and viewing
- ✓ Flexible setting of timer and temperature

REMOTE APP SMART CONTROL



* Support RS485 and Modbus communication

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

Model	PW030 -DKZLRS-D/S	PW040 -DKZLRS-D/S	PW040 -DKZLRS-D	PW050 -DKZLRS-D	PW060 -DKZLRS-D
Heating Condition: Ambient Temp. (DB/WB): 7°C/6°C, Water temperature(inlet/outlet): 30°C/35°C					
Heating Capacity Range (kW)	3.2~8.0	4.8~12.0	4.8~12.0	7.3~18.0	8.8~22.0
Heating Power Input Range(kW)	0.61~1.88	0.93~2.88	0.93~2.88	1.36~4.14	1.67~5.15
Cop range	4.26~5.23	4.17~5.18	4.17~5.18	4.35~5.36	4.27~5.28
DHW Condition: Ambient Temp. (DB/WB): 7°C/6°C, Water temperature(inlet/outlet): 15°C/55°C					
Heating Capacity Range (kW)	2.9~7.2	4.3~10.8	4.3~10.8	6.0~15.0	7.4~18.5
Heating Power Input Range(kW)	0.64~1.97	0.97~3.03	0.97~3.03	1.29~4.00	1.63~5.05
COP Range	3.65~4.54	3.56~4.45	3.56~4.45	3.75~4.64	3.66~4.55
Heated water output (L/H)	154	232	232	322	397
Cooling Condition: Ambient Temp. (DB/WB): 35°C/24°C, Water temperature(inlet/outlet): 12°C/7°C					
Cooling Capacity Range (kW)	2.5~6.2	3.3~8.2	3.3~8.2	5.1~12.6	6.0~15.0
Cooling Power Input Range(kW)	0.79~2.27	1.06~3.11	1.06~3.11	1.58~4.53	1.88~5.49
EER Range	2.73~3.15	2.64~3.10	2.64~3.10	2.78~3.23	2.73~3.19
ErP Level (35°C)	A+++	A+++	A+++	A+++	A+++
ErP Level (55°C)	A++	A++	A++	A++	A++
Power supply	230V/1Ph/50Hz/60Hz		380V/3Ph/50-60Hz		
Diameter of pipe (mm)	DN25	DN25	DN25	DN25	DN25
Water Flow(m3/h)	1.2	1.5	1.5	2.5	2.8
Water Pressure Drop (max) kPa	30	35	35	40	45
Water pump type	Adjustable DC inverter				
Max water head(m)	9	9	9	12	12
Auxiliary electric heater(kW)	3	3	3	3	3
Expansion vessel(L)	2	5	5	5	5
Safety valve(MPa)	0.3	0.3	0.3	0.3	0.3
Noise dB(A) at 1m	≤45	≤48	≤48	≤53	≤55
Net Weight (kg)	105	115	115	140	140
Net Dimension (L/W/H) mm	1150×460×820	1150×460×960	1150×460×960	1260×460×1060	1260×460×1060
Operation Ambient Temp. (°C)	-30~43				
Operating water temperature (°C)	20~55(DHW)				
Operating water temperature (°C)	20~55(Heating)				
Operating water temperature (°C)	7~35(Cooling)				

Note:The data above is for reference only, Please refer to the nameplate on the unit if for more specific data.