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POWER WORLD MACHINERY EQUIPMENT CO., LTD.

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POWER WORLD
Air to water heat pump
11 | 2024

R290 Zero Carbon

Heat Pump Solutions

- Home heating, cooling, DHW
- All-in-one hot water heater
- Swimming pool heating & cooling



Full DC Inverter Control
Ambient Temp -25°C~43°C
Max hot water 75°C
Photovoltaic + Smart Grid + Heat Pump

About 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, a leader in the EVI full DC inverter heat pump field and 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.

➤ **256,000m²**
4 Comprehensive Production Bases

➤ **Germany**
European Service Centers

➤ **300,000+**
Annual export volume

➤ **1000+**
Global Service Outlets

➤ **60-100**
R & D team(people)

➤ **400+**
Patents

➤ **500-1000**
Employees

➤ **25Days**
Shortest lead time

AN INNOVATIVE PIONEER IN THE ZERO-CARBON HEAT PUMP FIELD

- Top 10 Air Source Heat Pump Brands in China
- Top 10 brands of water heaters in Guangdong
- Top 10 outstanding brands in China's heat pump industry
- Outstanding industrial and agricultural drying brands in China's heat pump industry
- Outstanding contribution unit of coal-to-clean energy
- Air source Northern Heating Demonstration Award in China
- "Leading Brand in China's Heat Pump Industry" for 9 consecutive years.
- China Home Appliance Industry "Plug" Award
- National High-tech Enterprise
- Leading Brand of air source heat pumps in China

- ① 2022 Energy Saving Heat Pump System Application Design Competition
- ② 2022 China Cooling & Heating Smart Innovation Brand Award
- ③ 2022 China Heat Pump Outstanding Contribution Award



①



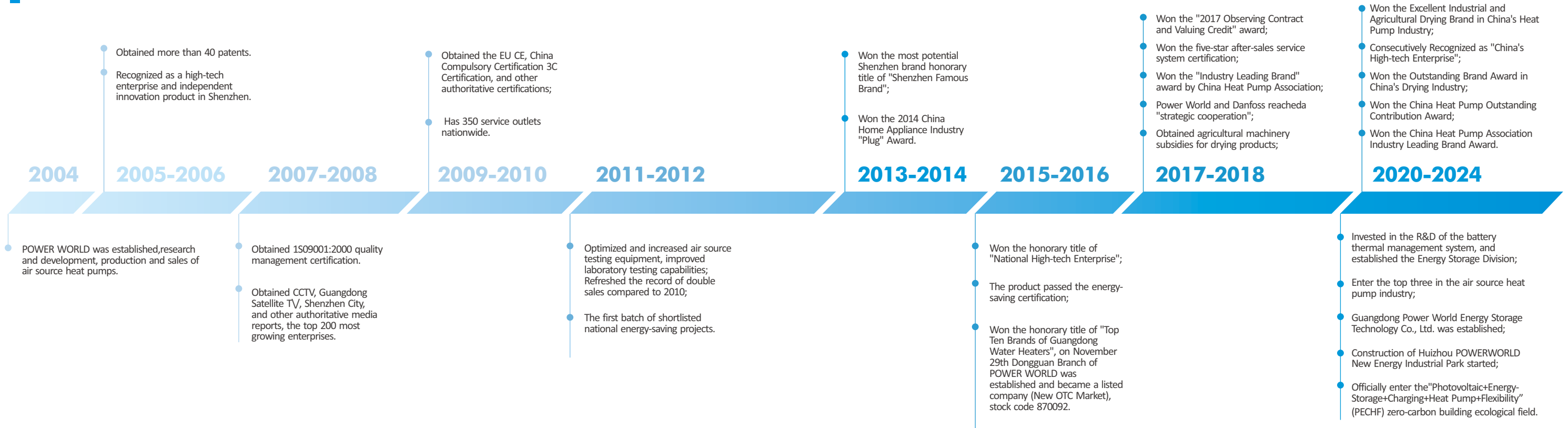
②



③



Development History



Strategies for ZERO CARBON Buildings

One Stop Air-to-water Heat Pump Solutions

PW Cloud



PW EMS



Wi-Fi App



Remote monitoring console

Advantages of Power World

Pioneering Sustainable, Customizable Heat Pump Solutions for a Zero-Carbon Future.

Whether it is design, production or service, we follow the concept of sustainable development. Power World relies on its comprehensive professional knowledge to provide customers around the world with excellent, customizable products and professional technical support, providing users with safe, environmentally friendly, and efficient heat pump system solutions to create a comfortable and intelligent zero-carbon home environment.

Inverter

Energy Storage

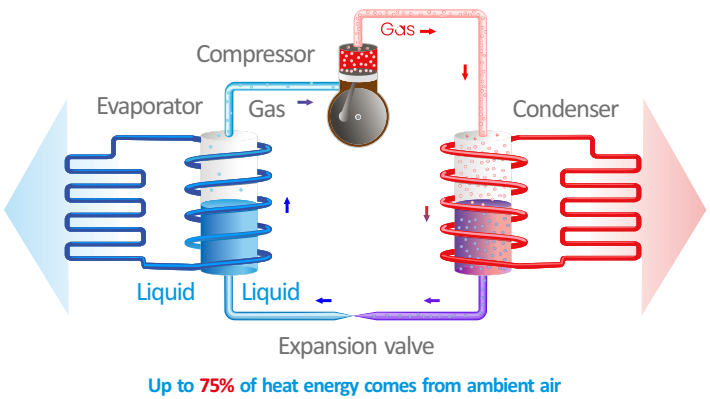
Heat Pump

Cutting-edge Core Technology

Zero carbon air source heat pump technology

Heat pump technology is based on the principles of the reverse Carnot cycle, which captures heat energy from the surrounding air and transfers it indoors or outdoors to achieve heating and cooling effects. It is widely used in the heating and cooling fields of homes and commercial buildings.

Power World has mastered this technology and continues to innovate in its applications, allowing its heat pump products to achieve exceptional high efficiency and energy savings.



SG-Ready Technology

SG-Ready is a function that integrates your equipment with the national smart grid, making the equipment and the grid interconnected. With the expansion of energy-saving policies, SG-Ready will gradually become a necessary function to obtain subsidies.

Power World heat pumps have SG-Ready and PV-Ready functions, which can accept dispatch signals from the power grid, adjust and manage energy usage according to the needs of the power grid, maximize the use of home photovoltaic energy and energy storage battery energy, and reduce energy expenses.

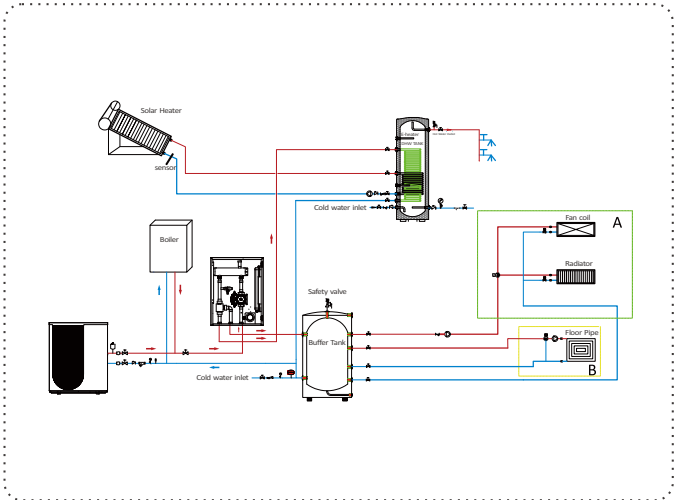


Multiple heat source supply

Hybrid heat pump technology is an advanced heat pump system design with super compatibility and can be connected to a variety of heat sources, such as boilers, solar photovoltaic systems, electric heating, etc., and can automatically adjust the heat exchange mode according to the actual situation, allowing the system to with wider applicability and reliability, maximizing energy efficiency.

2 zone temperature control technology

Power World heat pump 2 zone temperature control technology provides an efficient, flexible, smart and customizable solution for maintaining optimal temperatures in different areas of a house or building.



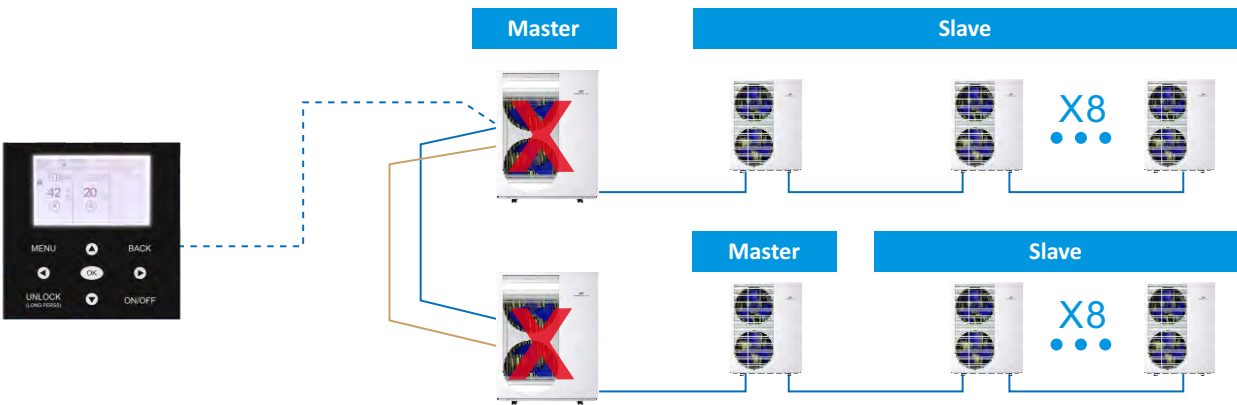
24/7 Overall Energy Management Technology

Various curve data charts, real-time monitoring and intelligent recording of daily / weekly / monthly / yearly energy consumption data. Users could adjust strategies on time based on consumption to save unnecessary energy waste.



Super Cascading function

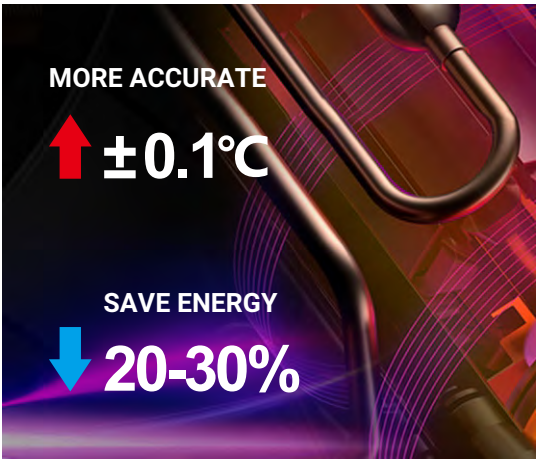
Various curve data charts, real-time monitoring and intelligent recording of daily/weekly/monthly/yearly energy consumption data. Users could adjust strategies on time based on consumption to save unnecessary energy waste.





➤ EVI ultra-low temperature technology

With Power World EVI technology, the heat pump system has a wider operating range and can provide strong heating in extremely cold environments as low as -30°C. Compared with ordinary heat pumps, it operates at a more efficient frequency, making the system more stable and energy-saving.



➤ Full DC Inverter technology

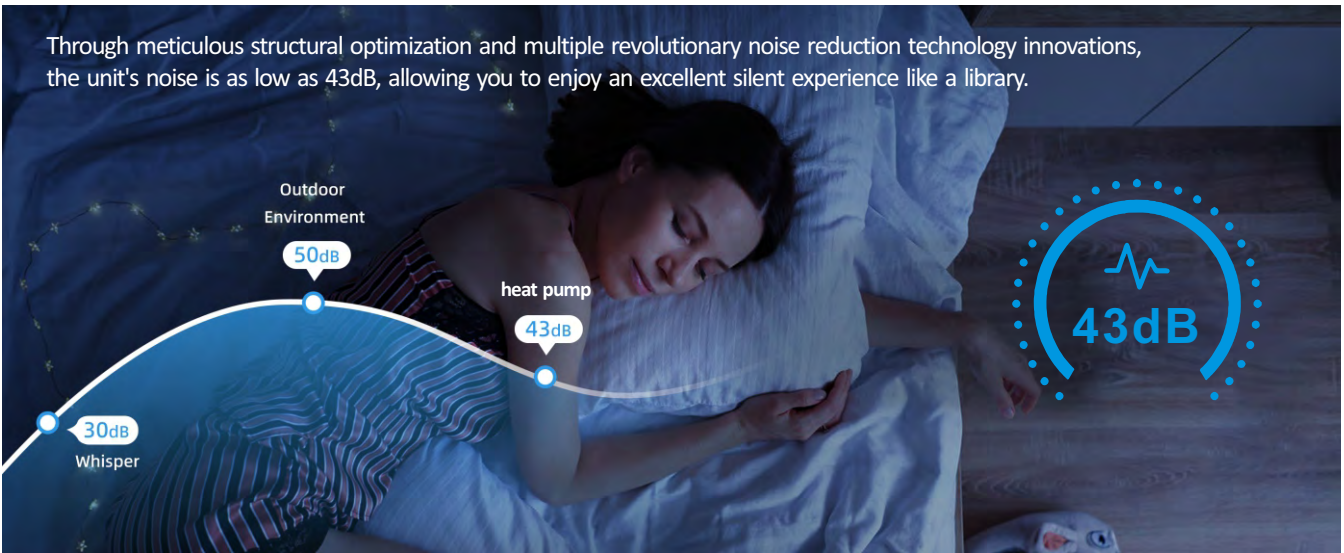
Power World heat pump unit utilizes full DC inverter technology, boasting a precision temperature control of up to $\pm 0.1^{\circ}\text{C}$. The system responds rapidly to temperature changes, automatically detecting variations in environmental temperatures and adjusting power output accordingly, ensuring a consistently comfortable indoor temperature. Compared to ON/OFF units, this technology can save up to 20-30% in energy consumption.



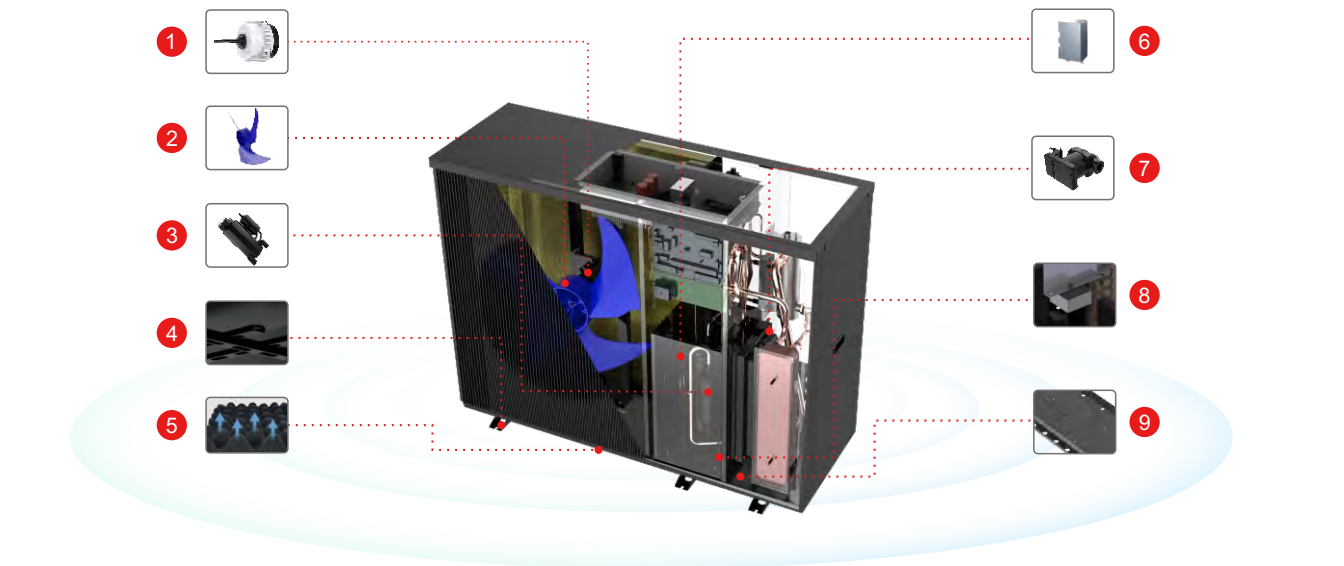
➤ Comprehensive protection technology

Our cutting-edge technology provides fully intelligent identification and control of key functions such as defrost, antifreeze, power outage, voltage, and water flow, ensuring that the entire unit system is optimally protected and always operates at peak performance.

➤ Innovative Silent technology



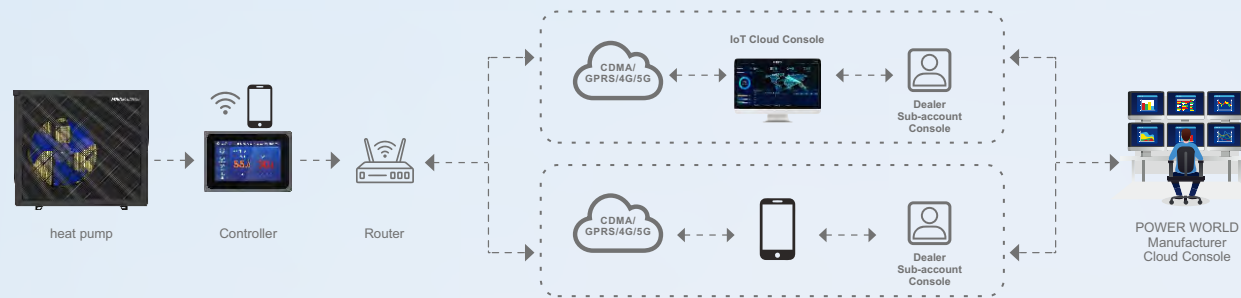
➤ Key Noise Reduction Innovation Highlights



- | | | |
|---|--|---|
| 1 DC inverter brushless motor
Low noise, intelligent variable speed control | 2 Biomimetic fan
Large air volume, low noise | 3 DC inverter compressor
Small vibration, low noise, stepless frequency conversion of power |
| 4 Thickened chassis | 5 PU corrugated sound-absorbing cotton
The inner wall of the unit is packed with silencer cotton on the sheet metal, compressor, pipelines and other places. | 6 Sound insulation sealing shell
(With soundproof cotton) |
| 7 DC Inverter Water Pump
Stepless speed regulation, low noise | 8 Damping shock absorber | 9 Thicker chassis to reduce high and low frequency resonance |

Smart Remote Management System WiFi App+IoT Cloud Management Platform

Real-time monitoring, data operation and maintenance, and intelligent management mode can maximize the energy efficiency of the building and reduce labor operation and maintenance costs and user energy bills.



Smart Life/Tuya Smart App Control

Built-in WiFi module, can directly connect to the Internet without installing a WIFI box. Anytime, anywhere, easily monitor and control your heat pump system.

IoT Cloud Management Platform



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 mainboards.

- 15 Languages available •
- Operational control (mode selection, parameter setting and adjustment, etc.) •
- Real-time operating data monitoring •
- Troubleshooting and reporting •
- Energy consumption monitor and manage •



Market Development Support

Comprehensive Global Authoritative Certification

CE, CB, RoHS, TUV(ERP), KEYMARK, MCS, BAFA Heat Pump Subsidy List, WaterMark, OceanaMark, ISO 9001, ISO 14001, ISO 45001, etc.

Power World's products can all pass these certifications and are eligible for heat pump subsidies in relevant countries.

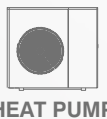


Extensive Market Applications

Power World heat pump products get great reviews. Each year, over 300,000 heat pump units are sold to more than 60 countries and regions worldwide, including Poland, the UK, Australia, Sweden, the Czech Republic, Germany, France, Spain, South Africa, India, Australia, the United States, Brazil, etc. Our export volume ranks among the top 5 in the Chinese industry.



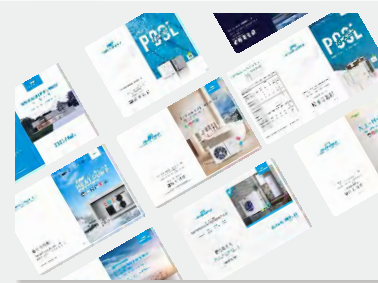
60+



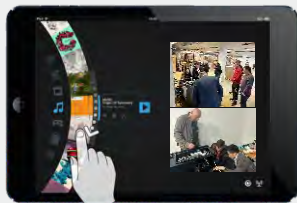
300,000+

Marketing Material Synchronization

Power World provides our clients with in-house marketing materials, including factory videos, installation cases, product brochures/catalog, and posters, to help you better expand your market.



Product brochure/catalog



Media promotional materials



Technical training materials

Customer service support

European Customer Service Center (Germany)



We are dedicated to delivering high-quality heat pump solutions that meet the unique requirements of the European market, while maintaining our reputation for innovation, efficiency, and reliability. In order to better demonstrate Power World's commitment to localization support and excellent service, we have set up European customer service centers in Germany.

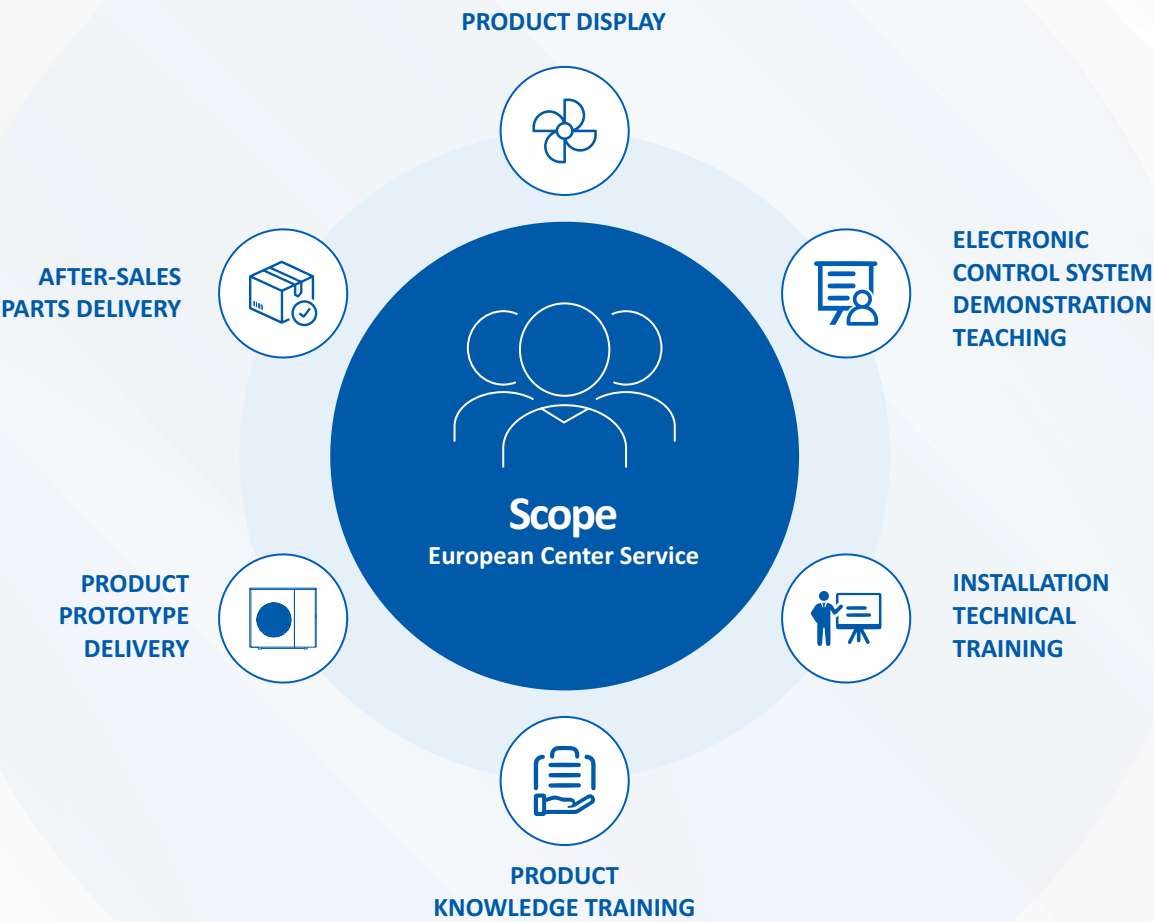
 **24 HOURS HOTLINE SERVICE**

 **ONLINE+REGULAR CLIENT VISIT TRAINING**

 **ON-SITE SERVICE**

 **WARRANTY &REPAIRING SERVICE**

 **SPARE PARTS SERVICE**



- ✓ 2 YEARS FULL MACHINE WARRANTY
- ✓ 5 YEARS COMPRESSOR WARRANTY
- ✓ 7 YEARS HEAT EXCHANGER WARRANTY



Note: Warranty terms and durations vary by product series and are negotiable.



* After-sales service:
Based on the evaluation of the actual after-sales situation, Power World dispatches engineers to the local area to be responsible for after-sales service or remotely provides after-sales guidance, or Power World agents are responsible for after-sales service. Our professional after-sales team is available 24/7 to provide prompt assistance.

Zero Carbon Heating Cooling & DHW Solutions

R290 refrigerant can be obtained directly from natural gas. With its low GWP value, high heat exchange efficiency, good and stable performance, zero carbon emissions, and low charge, it is considered by the industry to be the most environmentally friendly refrigerant with the most potential in the world.

**R290 CLEANLIFE PLUS
SERIES**

DC INVERTER HYBRID
HEAT PUMP



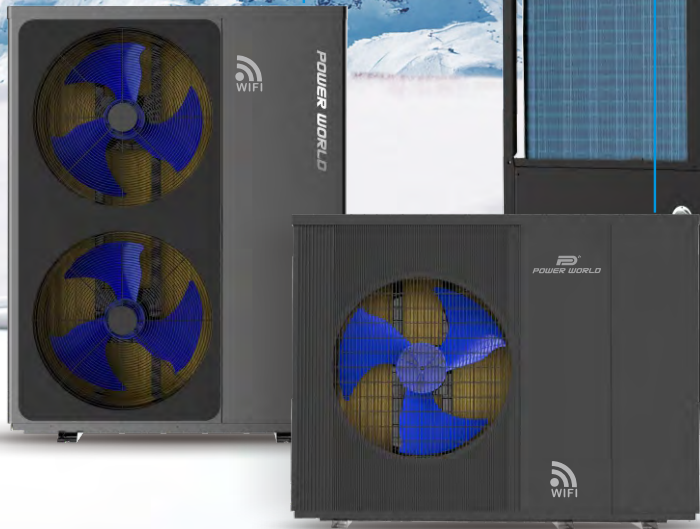
**R290 CLEANLIFE
SERIES**

DC INVERTER HEAT PUMP
MONOBLOCK



**R290 CLEANLIFE
SERIES**

DC INVERTER HEAT PUMP
MONOBLOCK



**R290 CLEANLIFE ULTRA
SERIES**

EVI DC INVERTER HYBRID
HEAT PUMP

**R290 COMMERCIAL
SERIES**

FULL DC INVERTER
HEAT PUMP



R290 SERIES CLEANLIFE

DC Inverter Heat Pump / Monoblock



R290 Cleanlife Series

The preferred heat pump solution for zero-carbon buildings, specially designed for smart energy-saving home.

Features

- R290 refrigerant, low GWP(GWP=3)
- **Energy class:** A+++/35°C, A++/55°C
- Outlet water temperature up to 75°C
- **4 Operating modes:** Powerful/Smart/Silent/Vacation
- Noise as low as 43dB(A) at 1Meter
- Maximum cascading 8 units
- Available in 15 languages
- Smart sterilization every 7 days
- 20~70°C Smart temp adjustment
- Smart Life WIFI App & IoT Cloud Management Platform
- Reserved electric auxiliary heating port & RS485 Communication Port
- Various curve data charts, 24/7 comprehensive energy monitoring and management

Water pump optional: built-in/none

Compressor optional: HIGHLY DC Inverter Compressor / Panasonic EVI DC Inverter Compressor
Wide Ambient Temp -25°C~43°C

Model: 8.3/11.4/14.8/18.2/22/24KW

R-290

35°C/55°C

A+++

1-230V or 3-380V



R290
zero carbon

4.69
SCOP
MAX

A+++
Energy-Saving

75°C
High temp
Water outlet

SG
Ready
Smart Heat Pump

IP-READY

HIGHLY DC Inverter Compressor

230V/1Ph/50Hz/60Hz

Residential heat pump (built-in water pump)

Model		PW020-DKZLRS-E/S	PW030-DKZLRS-E/S	PW040-DKZLRS-E/S	PW050-DKZLRS-E/S	PW055-DKZLRS-E/S	PW060-DKZLRS-E/S	PW070-DKZLRS-E/S
Heating Condition - Ambient Temp.(DB/WB):7/6°C,Water Temp.(In/Out):30/35°C								
Heating Capacity Range (kw)		2.5~6.0	3.3~8.3	4.5~11.4	5.9~14.8	7.2~18.2	8.8~22.0	9.6~24.0
Heating Power Input Range(kw)		0.48~1.44	0.64~2.18	0.85~2.95	1.13~3.83	1.38~4.65	1.68~5.77	1.83~6.30
Cop Range		4.16~5.21	3.81~5.17	3.86~5.29	3.86~5.22	3.91~5.22	3.81~5.24	3.81~5.24
DHW Condition-Ambient Temp.(DB/WB)7/6°C,Water Temp.(In/Out):15/55°C								
Heating Capacity Range (kw)		2.6~5.3	3.7~7.4	5.2~10.2	6.6~13.2	7.2~16.2	7.8~17.6	8.8~19.6
Heating Power Input Range(kw)		0.56~1.50	0.79~2.10	1.10~2.87	1.41~3.73	1.54~4.58	1.67~5.01	1.89~5.60
Cop Range		3.53~4.64	3.52~4.69	3.55~4.71	3.54~4.67	3.54~4.67	3.51~4.66	3.50~4.66
Heated Water Output (l/h)		114	159	219	283	348	377	421
Cooling Condition - Ambient Temp.(DB/WB)35/24°C,Water Temp.(In/Out):12/7°C								
Cooling Capacity Range (kw)		1.7~4.2	2.4~5.8	3.3~8.2	4.3~10.8	5.6~14.1	6.2~15.3	6.9~17.0
Cooling Power Input Range(kw)		0.53~1.37	0.79~2.19	1.08~3.07	1.39~3.99	1.80~5.38	1.99~5.60	2.21~6.49
EER Range		3.06~3.20	2.65~3.04	2.67~3.06	2.71~3.10	2.62~3.11	2.73~3.12	2.62~3.12
Space Heating (According to EN14825:2022) Average Climate Water Outlet 35°C	Rated heat output (kW)	4.19	5.82	7.89	9.95	12.20	13.97	16.01
	ErP Level	A+++	A+++	A+++	A+++	A+++	A+++	A+++
	Sound pressure level (dB(A)) at 1 meter	35	44	43	45	41	37	43
	Sound power level (dB(A))	49	58	57	59	57	53	58
Space Heating (According to EN14825:2022) Average Climate Water Outlet 55°C	Rated heat output (kW)	4.15	5.59	8.70	9.23	12.16	14.08	15.80
	ErP Level	A++	A++	A++	A++	A++	A++	A++
	Sound pressure level (dB(A)) at 1 meter	35	44	47	46	43	40	43
	Sound power level (dB(A))	49	58	61	60	59	56	58
Power Supply		230V/1Ph/50Hz/60Hz						
Diameter Of Pipe (mm)		DN25	DN25	DN25	DN25	DN25	DN25	DN32
Max water head(m)		7.5	9	9	9	12	12	12
Net Weight (kg)		95	112	120	138	165	170	220
Body size(W*D*H) (mm)		1080×440×761	1080×460×820	1080×460×960	1080×480×1060	1080×480×1372	1080×480×1372	1160×480×1580
Operation Ambient Temp. (°c)		-25~43						
Operating Water Temperature (°c)		28~65(DHW)						
Operating Water Temperature (°c)		15~70(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.

HIGHLY DC Inverter Compressor

380V/1Ph/50Hz~60Hz

Commercial heat pump (built-in water pump)

Model		PW040-DKZLRS-E	PW050-DKZLRS-E	PW055-DKZLRS-E	PW060-DKZLRS-E	PW070-DKZLRS-E
Heating Condition - Ambient Temp.(DB/WB):7/6°C,Water Temp.(In/Out):30/35°C						
Heating Capacity Range (kw)		4.5~11.4	5.9~14.8	7.2~18.2	8.8~22.0	9.6~24.0
Heating Power Input Range(kw)		0.85~2.95	1.13~3.83	1.38~4.65	1.68~5.77	1.83~6.30
Cop Range		3.86~5.29	3.86~5.22	3.91~5.22	3.81~5.24	3.81~5.24
DHW Condition-Ambient Temp.(DB/WB)7/6°C,Water Temp.(In/Out):15/55°C						
Heating Capacity Range (kw)		5.2~10.2	6.6~13.2	7.2~16.2	7.8~17.6	8.8~19.6
Heating Power Input Range(kw)		1.10~2.87	1.41~3.73	1.54~4.58	1.67~5.01	1.89~5.60
Cop Range		3.55~4.71	3.54~4.67	3.54~4.67	3.51~4.66	3.50~4.66
Heated Water Output (l/h)		219	283	348	377	421
Cooling Condition - Ambient Temp.(DB/WB)35/24°C,Water Temp.(In/Out):12/7°C						
Cooling Capacity Range (kw)		3.3~8.2	4.3~10.8	5.6~14.1	6.2~15.3	6.9~17.0
Cooling Power Input Range(kw)		1.08~3.07	1.39~3.99	1.80~5.38	1.99~5.60	2.21~6.49
EER Range		2.67~3.06	2.71~3.10	2.62~3.11	2.73~3.12	2.62~3.12
Space Heating (According to EN14825:2022) Average Climate Water Outlet 35°C	Rated heat output (kW)	7.61	10.27	12.17	14.05	15.96
	ErP Level	A+++	A+++	A+++	A+++	A+++
	Sound pressure level (dB(A)) at 1 meter	43	44	41	45	42
	Sound power level (dB(A))	58	59	56	60	58
Space Heating (According to EN14825:2022) Average Climate Water Outlet 55°C	Rated heat output (kW)	8.10	12.17	12.03	13.47	15.86
	ErP Level	A++	A++	A++	A++	A++
	Sound pressure level (dB(A)) at 1 meter	42	45	43	46	43
	Sound power level (dB(A))	57	59	58	62	58
Power Supply		380V/3Ph/50-60Hz				
Diameter Of Pipe (mm)		DN25	DN25	DN25	DN25	DN32
Max water head(m)		9	9	12	12	12
Net Weight (kg)		120	138	165	170	220
Body size(W*D*H) (mm)		1080×460×960	1080×480×1060	1080×480×1372	1080×480×1372	1160×480×1580
Operation Ambient Temp. (°c)		-25~43				
Operating Water Temperature (°c)		28~65(DHW)				
Operating Water Temperature (°c)		15~70(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.

HIGHLY DC Inverter Compressor

Without Circulating Water Pump

Model	PW030-DKZLRS-E/S	PW040-DKZLRS-E/S	PW050-DKZLRS-E/S	PW040-DKZLRS-E	PW050-DKZLRS-E	PW060-DKZLRS-E
Heating Condition - Ambient Temp.(DB/WB)7/6°C,Water Temp.(In/Out):30/35°C						
Heating capacity range (kw)	3.3~8.3	4.5~11.4	5.9~14.8	4.5~11.4	5.9~14.8	8.8~22.0
Heating Power Input Range(kw)	0.64~2.18	0.85~2.95	1.13~3.83	0.85~2.95	1.13~3.83	1.68~5.77
Cop range	3.81~5.17	3.86~5.29	3.86~5.22	3.86~5.29	3.86~5.22	3.81~5.24
DHW Condition-Ambient Temp.(DB/WB)7/6°C,Water Temp.(In/Out):15/55°C						
Heating Capacity Range (kW)	3.7~7.4	5.2~10.2	6.6~13.2	5.2~10.2	6.6~13.2	7.8~17.6
Heating Power Input Range(kW)	0.79~2.10	1.10~2.87	1.41~3.73	1.10~2.87	1.41~3.73	1.67~5.01
COP Range	3.52~4.69	3.55~4.71	3.54~4.67	3.55~4.71	3.54~4.67	3.51~4.66
Heated water output (L/H)	159	219	283	219	283	377
Cooling Condition - Ambient Temp.(DB/WB)35/24°C,Water Temp.(In/Out):12/7°C						
Cooling Capacity Range (kW)	2.4~5.8	3.3~8.2	4.3~10.8	3.3~8.2	4.3~10.8	6.2~15.3
Cooling Power Input Range(kW)	0.79~2.19	1.08~3.07	1.39~3.99	1.08~3.07	1.39~3.99	1.99~5.60
EER Range	2.65~3.04	2.67~3.06	2.71~3.10	2.67~3.06	2.71~3.10	2.73~3.12
ErP Level (35°C)	A+++	A+++	A+++	A+++	A+++	A+++
ErP Level (55°C)	A++	A++	A++	A++	A++	A++
Power supply	230V/1Ph/50Hz/60Hz			380V/3Ph/50-60Hz		
Diameter of pipe (mm)	DN25	DN25	DN25	DN25	DN25	DN25
Water Flow(m3/h)	1.43	1.96	2.55	1.96	2.55	3.78
Water Pressure Drop (max) kPa	30	35	40	35	40	45
Sound pressure level (dB(A))	44	43	45	43	44	45
Net Weight (kg)	110	118	135	118	135	168
Body size(W*D*H) (mm)	1080×460×820	1080×460×960	1080×480×1060	1080×460×960	1080×480×1060	1080×480×1372
IP Grade (Level of protection)	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Anti-electric shock Rate	I	I	I	I	I	I
Refrigerant	R290	R290	R290	R290	R290	R290
Compressor Brand	HIGHLY	HIGHLY	HIGHLY	HIGHLY	HIGHLY	HIGHLY
Operation Ambient Temp. (°C)	-25~43					
Operating water temperature (°C)	28~65(DHW)					
Operating water temperature (°C)	15~70(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.

Panasonic EVI DC Inverter Compressor

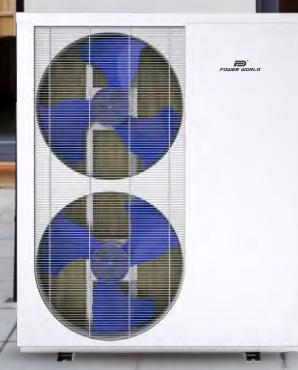
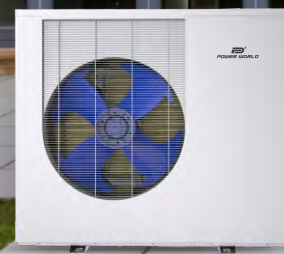
Model	PW030-DKZLRS-E2/S	PW040-DKZLRS-E2	PW050-DKZLRS-E2	PW060-DKZLRS-E2
Heating Condition - Ambient Temp.(DB/WB)7/6°C,Water Temp.(In/Out):30/35°C				
Heating capacity range (kw)	3.8~9.5	4.5~12.0	6.6~16.0	8.5~20.5
Heating Power Input Range(kw)	0.73~2.43	0.85~3.06	1.26~4.08	1.63~5.25
Cop range	3.90~5.20	3.92~5.29	3.92~5.23	3.90~5.21
DHW Condition-Ambient Temp.(DB/WB)7/6°C,Water Temp.(In/Out):15/55°C				
Heating Capacity Range (kW)	3.8~8.0	5.2~11.0	7.2~15.0	8.8~17.6
Heating Power Input Range(kW)	0.81~2.27	1.10~3.12	1.54~4.26	1.89~5.01
COP Range	3.52~4.69	3.52~4.72	3.52~4.68	3.51~4.66
Heated water output (L/H)	171	236	326	377
Cooling Condition - Ambient Temp.(DB/WB)35/24°C,Water Temp.(In/Out):12/7°C				
Cooling Capacity Range (kW)	2.4~5.8	3.3~8.2	4.3~10.5	6.1~15.0
Cooling Power Input Range(kW)	0.79~2.32	1.08~3.28	1.39~4.29	1.96~5.73
EER Range	2.50~3.04	2.50~3.06	2.45~3.10	2.62~3.11
Power supply	230V/1Ph/50Hz/60Hz	380V/3Ph/50-60Hz		
Diameter of pipe (mm)	DN25			
Noise dB(A)	≤47	≤50	≤52	≤53
Net Weight (kg)	117	125	143	175
Body size(W*D*H) (mm)	1080×460×820	1080×460×960	1080×480×1060	1080×480×1372
Packing size(W*D*H)(carton)	1100×490×960	1100×490×1110	1100×490×1210	1100×490×1510
Packing size(W*D*H)(Polywood)	1140×520×974	1140×520×1120	1140×520×1220	1140×520×1520
Loading quantity (carton)	48/96	48/96	24/96	24/48
Loading quantity (Polywood)	44/88	44/88	22/88	22/44
IP Grade (Level of protection)	IPX4	IPX4	IPX4	IPX4
Anti-electric shock Rate	I	I	I	I
Compressor Brand	Panasonic			
Operation Ambient Temp. (°C)	-25~43			
Operating water temperature (°C)	28~65(DHW)			
Operating water temperature (°C)	15~70(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.

R290 SERIES CLEANLIFE

DC Inverter Hybrid Heat Pump

PLUS



R290 Cleanlife Plus Series

Zero-carbon building heat pump solutions with greater compatibility and flexibility.

Features

- R290 refrigerant, low GWP(GWP=3)
- Combined supply of multiple heat sources
- Auxiliary heat source (AHS) control
- Solar energy smart control
- Tank booster heater smart control
- 2-zone temperature control
- Outlet water temperature up to 75°C
- Noise as low as 47dB(A) at 1Meter
- Maximum cascading 8 units
- Available in 8 languages
- Smart sterilization(custom time)
- Built-in thermal sensor in controller
- 32 Climate temp curves for automatic temp adjustment
- Smart Life WIFI App & IoT Cloud Management Platform
- Reserved electric auxiliary heating port & RS485 Communication Port

Compressor



Model: 8.3/11.4/14.8/18.2/22KW
Wide Ambient Temp -25°C~43°C

R-290

35°C/55°C



1-230V or 3-380V

heat pump + hydrobox



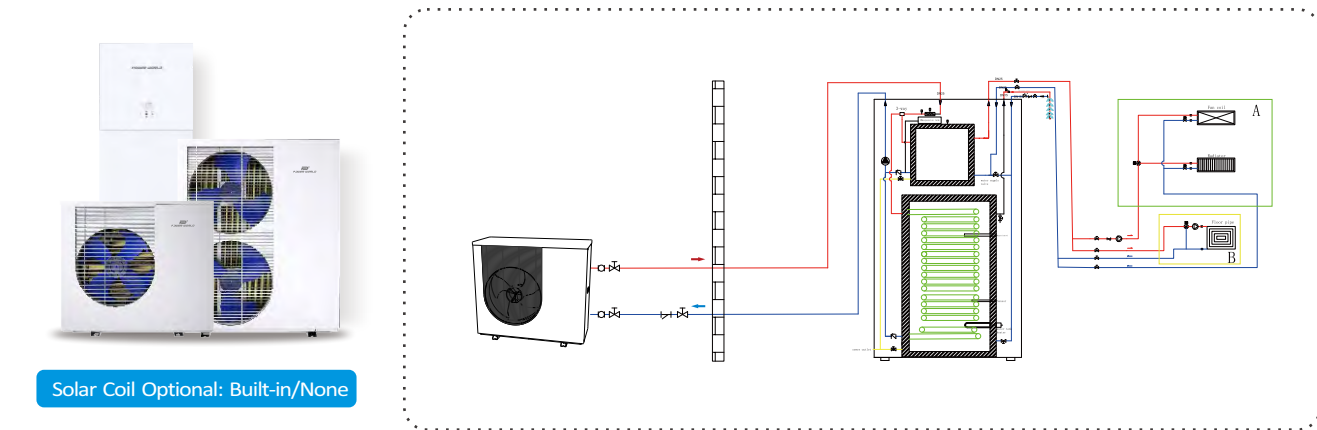
heat pump + integrated Water Tank



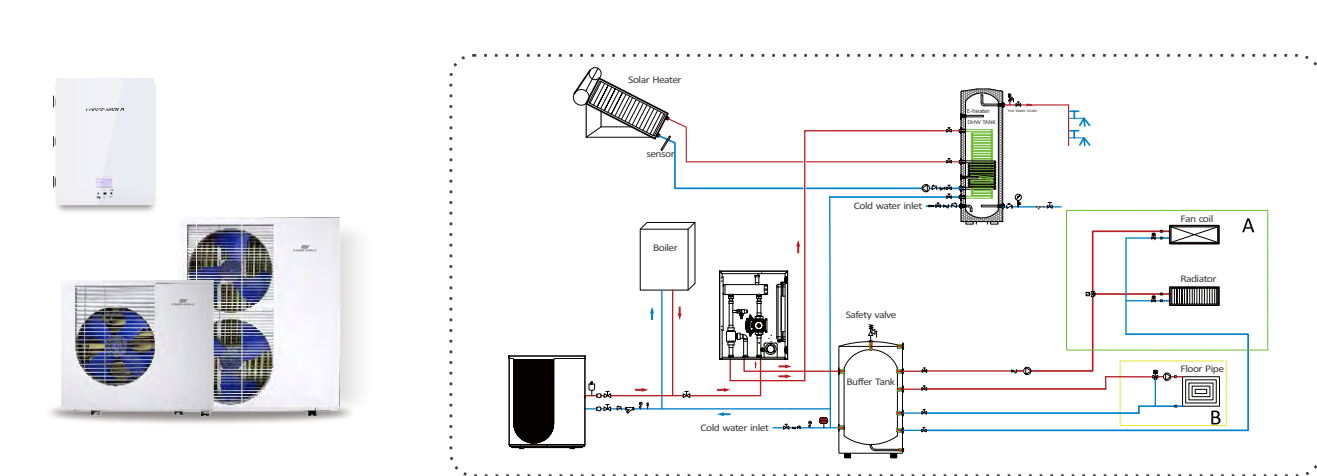


Compatible boiler
Multiple heat sources joint supply

01 Outdoor Unit + Indoor Unit (Integrated DHW Tank)



02 HEAT PUMP (OUTDOOR UNIT) + HYDRO BOX (INDOOR UNIT)



Outdoor unit



(Mitsubishi Compressor)

DC INVERTER HEAT PUMP FOR COOLING HEATING AND DHW (R290)				OUTDOOR UNIT
Model	PW030- DKZLRS-E1/S(ODU)	PW040- DKZLRS-E1/S(ODU)	PW050- DKZLRS-E1(ODU)	PW055- DKZLRS-E1(ODU)
Heating Condition - Ambient Temp.(DB/WB):7/6°C,Water Temp.(In/Out):30/35°C				
Heating Capacity Range (kw)	6.0	8.0	10	14
Heating Power Input Range(kw)	1.25	1.67	2.08	2.92
Cop Range	4.80	4.79	4.80	4.80
Heating Condition - Ambient Temp.(DB/WB):7/6°C,Water Temp.(In/Out):47/55°C				
Heating Capacity Range (kw)	6.0	8.0	9.6	14
Heating Power Input Range(kw)	1.86	2.49	2.95	4.38
Cop Range	3.22	3.21	3.25	3.20
DHW Condition-Ambient Temp.(DB/WB)7/6°C,Water Temp.(In/Out):15/55°C				
Heating Capacity Range (kw)	7.0	9.0	10.6	15.6
Heating Power Input Range(kw)	1.61	2.07	2.47	3.62
Cop Range	4.36	4.35	4.29	4.31
Heated Water Output (l/h)	150	194	228	335
Cooling Condition - Ambient Temp.(DB/WB)35/24°C,Water Temp.(In/Out):12/7°C				
Cooling Capacity Range (kw)	6.0	8.0	8.9	12.8
Cooling Power Input Range(kw)	1.89	2.53	2.74	4.25
EER Range	3.18	3.16	3.25	3.01
Power Supply	230V/1Ph/50Hz/60Hz		380V/3Ph/50-60Hz	
ERP Level (35℃)	A+++			
ERP Level (55℃)	A+++			
Refrigerant	R290			
Diameter Of Pipe (mm)	DN25	DN25	DN25	DN25
Noise dB(a)	≤46	≤48	≤52	≤53
Net Weight (kg)	118	126	130	166
Net Dimension (L/W/H) mm	1202×520×1060	1202×520×1060	1147×539×1396	1147×539×1396
Compressor Brand	MGC			
Operation Ambient Temp. (℃)	-25~43			
Operating Water Temperature (℃)	20~65(DHW)			
Operating Water Temperature (℃)	20~70(Heating)			
Operating Water Temperature (℃)	7~35(Cooling)			

Hydro Module



HYDRO MODULE		INDOOR UNIT
Model	PW030/040-E/S(IDU)	PW050/060-E(IDU)
3-Way Valve	ACOL/DN25	ACOL/DN25
Electric Heater	3kW/220V	3kW/220V
DC Inverter Water Pump	Shimge	Shimge
Max water head(m)	9	12
Expansion Tank(L)	8L	8L
Diameter of pipe (mm)	DN25	DN25
Safety valve(MPa)	0.3	0.3
Leakage Switch(A)	Schneider/40A	Schneider/32A
Cabinet	Galvanized powder coated steel	
Package	Splint/Carton	
Power Supply	230V/1Ph/50-60Hz	380V/3Ph/50-60Hz
Net Weight(kg)	42	
Gross Weight(kg)	55	
Net Dimension(mm)	675*540*280	675*540*280
Applicable Models	PW030/PW040(Single phase)	PW050/PW060(Three-phase)



Integrated DHW Tank



INTEGRATED DHW TANK		INDOOR UNIT
Model	PW030/040-E/S(IDU)	PW050/060-E(IDU)
3-Way Valve	ACOL/DN25	ACOL/DN25
Hot water tank	190L	240L
Electric Heater	3kW+3kW/220V	
DC Inverter Water Pump	Shimge	
Max water head(m)	12	
Buffer Tank Volume(L)	30	
Expansion Tank(L)	8L	
Max working temp(°c)	75	
Max working pressure(MPa)	1	
Diameter of pipe (mm)	4-DN25/2-DN15	
Safety valve(MPa)	0.3	
Leakage Switch(A)	Schneider/40A	
Cabinet	Galvanized powder coated steel	
Package	Splint/Carton	
Power Supply	230V/1Ph/50-60Hz	380V/3Ph/50-60Hz
Noise dB(A)	≤45	
Net Weight(kg)	165	200
Gross Weight(kg)	190	230
Net Dimension(mm)	640*598*1850	640*598*2135
Packing Dimension(mm)	710*638*1970	710*638*2255
Applicable Models	PW030/PW040(Single phase)	PW050/PW060(Three-phase)

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

R290 SERIES CLEANLIFE

EVI DC Inverter Hybrid Heat Pump

Ultra



Wi-Fi



-25°C ~ 75°C
Working temperature

R290 Cleanlife Ultra Series

Features

- R290 refrigerant, low GWP(GWP=3)
- Combined supply of multiple heat sources
- Auxiliary heat source (AHS) control
- Solar energy smart control
- Tank booster heater smart control
- 2-zone temperature control
- Outlet water temperature up to 75°C
- Noise as low as 43dB(A) at 1Meter
- Maximum cascading 8 units
- Available in 8 languages
- Smart sterilization(custom time)
- Built-in thermal sensor in controller
- 32 Climate temp curves for automatic temp adjustment
- Smart Life WIFI App & IoT Cloud Management Platform
- Reserved electric auxiliary heating port & RS485 Communication Port

R-290

35°C/55°C



230V/1Ph/50-60Hz

**TOP PERFORMANCE,
PERSONALIZED COMFORT.**



R290
zero carbon



A+++
Energy-Saving

75°C
High temp
Water outlet

SG
Ready
Smart Heat Pump

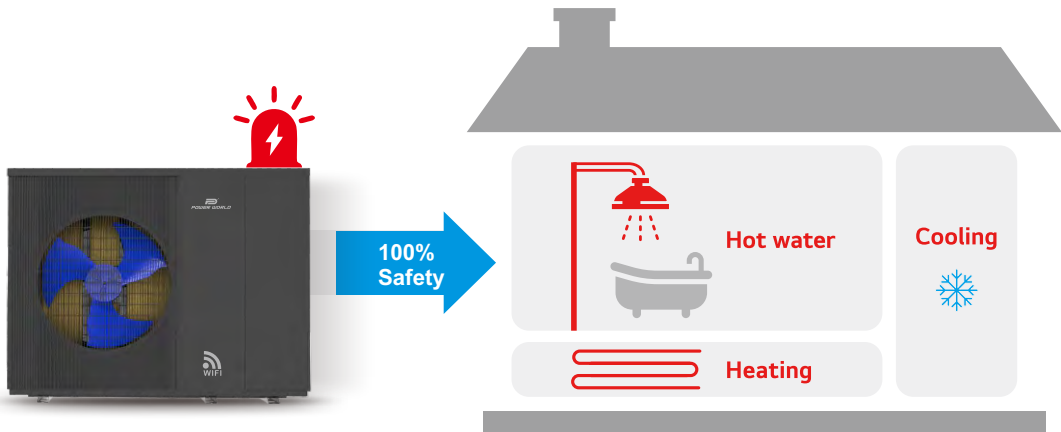


R290 Cleanlife Ultra Series



R290 LeakAlert system

An alarm will be triggered when the concentration reaches 15%.



Outdoor unit

Model	PW030-DKZLRS-ED/S	PW040-DKZLRS-ED/S
Heating Condition - Ambient Temp.(DB/WB):7/6°C,Water Temp.(In/Out):30/35°C		
Heating Capacity Range (kw)	3.8~9.5	4.5~12.0
Heating Power Input Range(kw)	0.68~2.33	0.81~2.95
Cop Range	4.07~5.59	4.07~5.56
DHW Condition-Ambient Temp.(DB/WB)7/6°C,Water Temp.(In/Out):15/55°C		
Heating Capacity Range (kw)	3.8~8.0	5.2~11.0
Heating Power Input Range(kw)	0.80~2.25	1.10~3.10
Cop Range	3.55~4.75	3.55~4.72
Heated Water Output (l/h)	171	236
Cooling Condition - Ambient Temp.(DB/WB)35/24°C,Water Temp.(In/Out):12/7°C		
Cooling Capacity Range (kw)	2.4~6.2	3.3~8.2
Cooling Power Input Range(kw)	0.73~2.06	1.01~2.82
EER Range	3.00~3.29	2.91~3.27
Power supply	230V/1Ph/50Hz/60Hz	
Diameter of pipe (mm)	DN32	
Water Flow(m3/h)	1.63	2.06
Water Pressure Drop (max) kPa	45	50
Net Weight (kg)	128	135
Body size(W*D*H) (mm)	1380×480×1055	1380×480×1055
IP Grade (Level of protection)	IPX4	IPX4
Anti-electric shock Rate	I	I
Refrigerant	R290	
Auxiliary electric heater(kW)	3	
Expansion vessel(L)	8	
Safety valve(MPa)	0.3	
Compressor	Panasonic	
Water pump	SHIMGE	
Operation Ambient Temp. (°c)	-25~43	
Operating Water Temperature (°c)	28~65(DHW)	
Operating Water Temperature (°c)	15~70(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.

R290 SERIES COMMERCIAL

Full DC Inverter Heat Pump



Heating



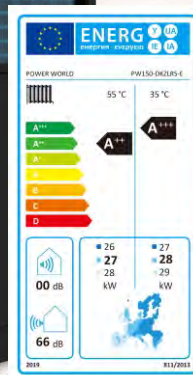
Cooling



Hot water

78°C

High temp
Water outlet



R290 Commercial Series

A cutting-edge solution designed for maximum efficiency and versatility in commercial applications.

R-290

35°C/55°C



380V/3Ph/50-60Hz

Features

- R290 refrigerant, ODP=0, low GWP(GWP=3)
- **Dual DC Inverter Technology:** Delivers precise and efficient heating with a maximum output temperature of 78°C.
- **Top Efficiency Ratings:** Achieves ErP Level A+++ (at 35°C) with a high SCOP of 4.57.
- **Built-in Wi-Fi Module:** Provides seamless connectivity and control.
- **Multilingual Support:** Easy operation in various languages.
- **SG Smart Grid Functionality:** Enhances energy management and integration.
- **Automatic Temperature Adjustment:** Ensures optimal performance.
- **Night Operation Mode:** Convenient control during off-hours.
- **Cascade Control:** Supports up to 8 units for flexible scaling.
- **Timed High-Temperature Disinfection:** Ensure the safe and healthy use of hot water.
- **IoT Cloud Management Platform**
- **Customizable Features:** Options for built-in pumps and Refrigerant leak sensors, as well as external heat source and water tank control.

**TWO-SYSTEM CONFIGURATION,
LARGE CAPACITY,
SUPERIOR STABILITY**



R290
zero carbon

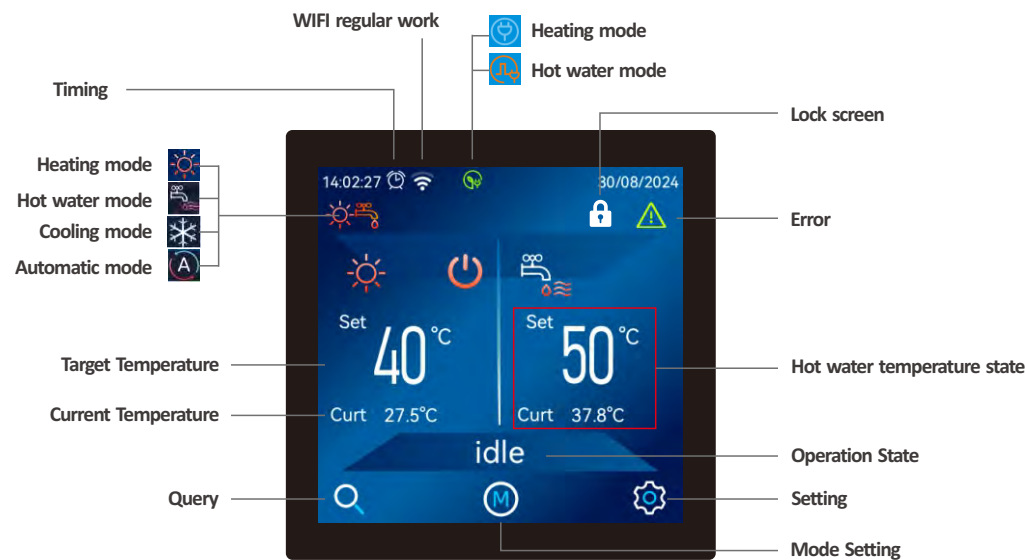
A+++
Energy-Saving

78°C
High temp
Water outlet

SG
Ready
Smart Heat Pump

Wi-Fi
Ready

Premium Configuration, Reliable Quality



R290 Refrigerant leakage monitoring sensor

An alarm will be triggered when the concentration reaches 15%.

Large LCD color screentouch controller

Built-in WiFi module with integrated system and end device control, offering simple operation.

- Pressure gauge
- Electric control box
- Liquid storage tank
- Plate heat exchanger

Flat-panel louvered fin heat exchanger

1. Hydrophilic coating for corrosion resistance, salt spray durability, and exceptional oxidation resistance.
2. Flat window design minimizes water, ice, and dust buildup, is easy to clean, and reduces air resistance, making it suitable for harsher environments.

Multiple noise reduction designs

Patented designs, achieving noise levels as low as 62 dB(A) at 1Meter.

Big DC inverter Stepless Fan Moto(14000m³/h)

Stepless variable speed operation, precise speed control, low noise, fewer moving parts, and higher efficiency.

Chassis drainage hole design

Directly drains condensate water to prevent ice formation from water accumulation.

HIGHLY Full DC Inverter Compressor (Dual system)

Low vibration, quiet operation, and efficient performance in extreme cold weather down to -25°C.

DC INVERTER HEAT PUMP FOR COOLING HEATING AND DHW (R290)

Model	PW150-DKZLRS-E	PW300-DKZLRS-E
DHW Condition-Ambient Temp.(DB/WB):20/15°C,Water Temp.(In/Out):15/55°C		
Heating Capacity Range (kW)	23.8~68	40.0~130
Heating Power Input Range(kW)	4.23~15.46	9.0~29.5
COP Range	4.46~5.62	4.4~5.5
Heated water output (L/H)	1462	2580
Heating Condition - Ambient Temp.(DB/WB):7/6°C,Water Temp.(In/Out):30/35°C		
Heating Capacity Range (kW)	18.4~49.25	35.2~92
Heating Power Input Range(kW)	4.23~12.96	7.0~23.8
COP Range	3.8~4.3	3.86~5.02
Cooling Condition - Ambient Temp.(DB/WB):35/24°C,Water Temp.(In/Out):12/7°C		
Cooling Capacity Range (kW)	13.8~34.5	25~66
Cooling Power Input Range (kW)	5.2~16.2	8.92~30.7
EER Range	2.12~2.65	2.15~2.8
ErP Level (35°C)	A+++	A+++
ErP Level (55°C)	A++	A++
Power supply	380V/3Ph/50-60Hz	380V/3Ph/50-60Hz
Max. power input (kW)	20	40
Max. current (A)	32	64
Fuse or circuit breaker (A)	40	80
Wire diameter (mm²)	10mm²	22mm²
Diameter of pipe (mm)	G1.5"	G2"
Sound power level (dB(A))	≤77	≤85
Sound pressure level (dB(A))	62	65
Water Flow(m³/h)	5.8	11.6
Water Pressure Drop (max) kPa	80	120
Net Weight (kg)	370	745
Body size(W*D*H) (mm)	1195×980×1900	2510×979×1882
Packing size(W*D*H)(Polywood)	1275*1060*2100	2560×1030×2000
IP Grade (Level of protection)	IPX4	IPX4
Anti-electric shock Rate	I	I
Refrigerant	R290	R290
Compressor Brand	HIGHLY	HIGHLY
Operation Ambient Temp. (°C)	-25~43°C	-25~43°C
Water outlet temperature (°C)	20~78°C(DHW)	20~78°C(DHW)
Water outlet temperature (°C)	20~78°C(Heating)	20~78°C(Heating)
Water outlet temperature (°C)	7~35°C(Cooling)	7~35°C(Cooling)

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

R290 All In One Water Heater Solutions

Unleash the power of air and provide a steady stream of hot water with an air-to-water heat pump!



**R290 All-in-one
Water Heater**

ON/OFF
SYSTEM-ENAMEL
INNER TANK



**R290 All-in-one
Water Heater**

DC INVERTER
SYSTEM-ENAMEL
INNER TANK



**R290 All-in-one
Water Heater**

ON/OFF
SYSTEM-STAINLESS
STEEL INNER TANK



R 2 9 0

Water Heater

ALL-IN-ONE

ON/OFF system-Enamel Inner tank



ON/OFF system-Enamel Inner tank

R290

All-in-one Water Heater

R290 All-in-one Water Heater is a new low-GWP air-to-water water heater developed to create a zero-carbon future. This innovative product is designed to efficiently heat water while reducing energy consumption and saying goodbye to high energy bills.

Features

- R290 low GWP refrigerant (GWP=3, ODP=0).
- Energy efficient class A+
- WIFI smart control
- Stable silent operation
- Working temperature range -7°C ~ 43°C
- Micro-channel heat exchanger.
- **CMEV**: Central mechanical extract ventilation
- Max. outlet hot water temperature up to 75°C
- **Heating capacity/water tank size/appearance**: Customizable

Solar coil: Built-in or without

Inner tank: Enamel tank



R290
zero carbon



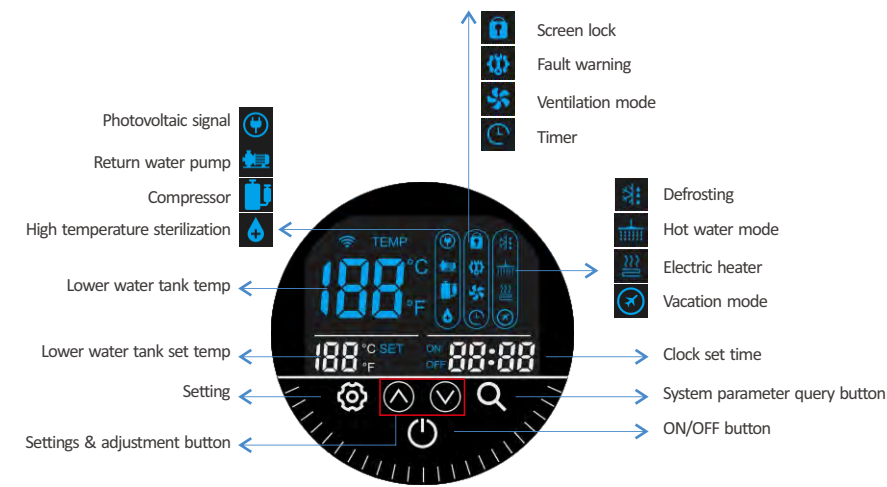
A⁺
Energy-Saving



43dB
Silent operation

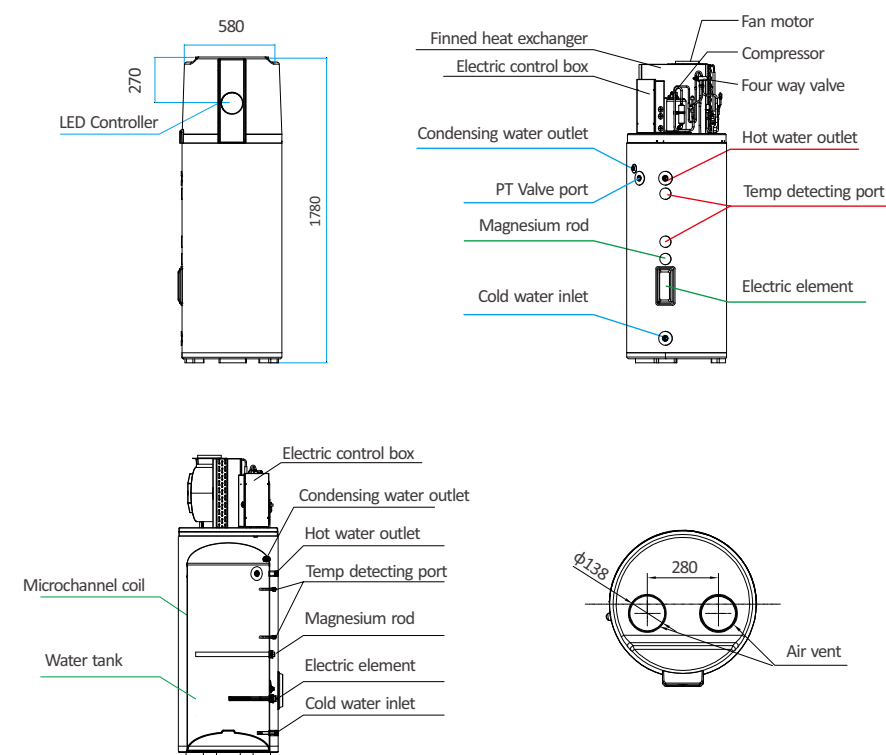
Smart Touch Screen Controller

Centralize all controls on the panel, touch operation, easy and simple.



All-in-one Structural Design

It perfectly integrates the heat pump and water storage tank into one unit, saving greater space and cost for users.



R290 All-in-one Water Heater

ON/OFF Type

Model	PW005-KZJRS(A)/200L
HEAT PUMP	
Heating capacity (kW)	1.4
Rated Power (W)	345
Rated Current (A)	1.58
COP	4.06
Energy efficiency class *	A+
Max Input Power(W)	2700
Refrigerant	R290
Ambient temp range (°C)	-7~43
Maxi water outlet temp (°C)	65
Noise(dB) sound pressure	40
Noise(dB) sound power	55
POWER SUPPLY	
Specification	220-240V/ 50Hz / Ph
Max Input Current(A)	12.4
Fuse/circuit breaker (A)	16
Power cable diameter(mm)	3*2.5mm²
WATER TANK	
Water tank volume (L)	190
Max tank pressure (Mpa)	0.7
Inner tank material	Enameled water tank
Water pipes connector size (mm)	Dn20
Magnesium rod joint (mm)	25.4
PT valve	Standard
ELECTRIC HEATER	
Electric Heater Rated Power (W)	2000
Rated current(A)	9.2
Ambient temp range (°C)	-15~43
Max water outlet Temp (°C)	75
AIR DUCT	
Duct diameter(mm)	145-150
Suggested duct length(mm)	≤ 2000
OTHERS	
Electric shock rating	I
IP Grade (Level of protection)	IPX1
Net Weight (KG)	104
Gross Weight (KG)	120
Net Dimension(mm)	φ580×1780
Package Dimension(mm)	660×660×1920
Testing condition:Water Temperature from 15°C to 55°C, Dry bulb temperature 20°C, Wet bulb temperature15°C.	

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

R 2 9 0

Water Heater

ALL-IN-ONE

DC inverter system-Enamel Inner tank



DC inverter system-Enamel Inner tank

R290 All-in-one Water Heater

It perfectly integrates the heat pump and water storage tank into one outdoor unit, fast producing hot water and save 80% energy costs for users.

Features

- R290 is a new high-efficiency natural refrigerant with low Global Warming Potential(GWP)=3, ODP=0.
- High-efficiency DC inverter technology saves 30% energy than ON/OFF units.
- Zero-cold water control, compatible with AC/DC Pumps, provides instant hot water on demand, maximizing energy efficiency.
- Power/Standard/Silent Mode, 3 operating modes to meet different heating needs.
- Dual heating technology with incorporated electric element to provide hot water up to 75°C.
- Equipped with SG-Ready and PV-Ready ports, compatible with smart grid and photovoltaic systems, maximizing energy bill reduction.
- Built-in Wi-Fi module, no additional Wi-Fi box needed, control with smart App anytime anywhere.
- Equipped with IoT cloud management platform, data visualization, and the mainboard can be upgraded remotely.
- Fully intelligent protection system provides effective safety protection for the unit.
- Equipped with premium configuration, ensuring top-notch performance and unparalleled convenience.
- Eligible for solar and heat pump water heater rebates schemes such as STC & NSW ESS.

SPECIFICALLY DESIGNED FOR OUTDOOR INSTALLATION

4.92
4.92 MAX COP200L
250L
300L
TANK VOLUME

4/5/6 PEOPLE

INTELLIGENT
TEMP CONTROL
ZERO COLD
WATER
INTELLIGENT
DEFROST**R290****R290**
zero carbon**A⁺**
Energy-Saving**75°C**
Stable heating**43dB**

Outstanding Performance R290 All-in-One Water Heater

All-in-one units combine the functionalities of a water heater and a heat pump, eliminating the need for separate equipment and saving valuable space in your home.

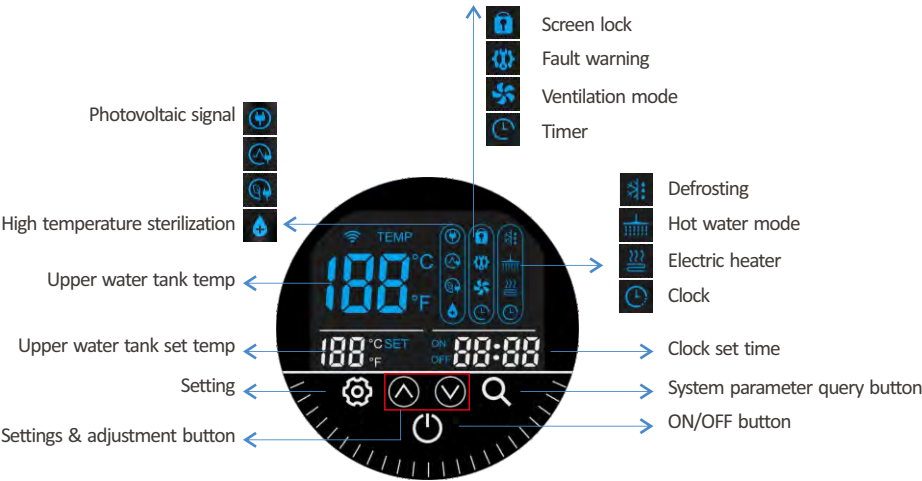
R290 DC Inverter Heat Pump System

- 1. Multi-level noise reduction technology
- 2. Multiple insulation design
- 3. Anti-freezing design for water tank
- 4. Comprehensive protection features
- 5. Dual water tank temperature sensing probe design



Smart Touch Screen Controller

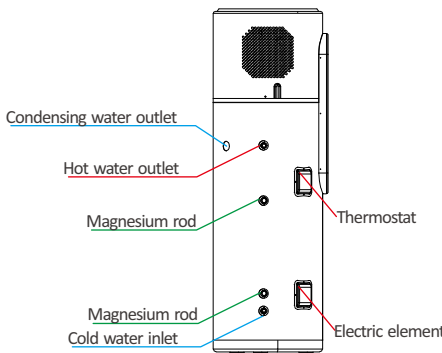
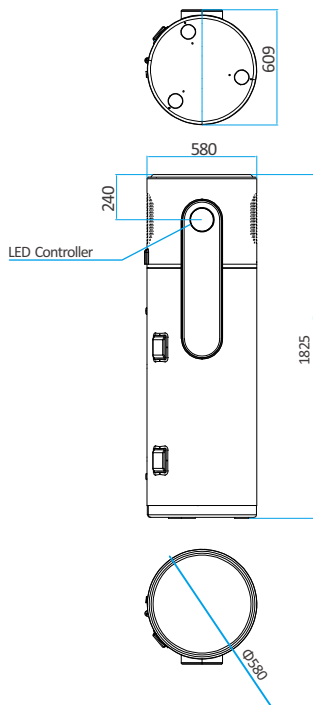
Centralize all controls on the panel, touch operation, easy and simple.



R290 All-in-one Water Heater Full DC Inverter

Model	PW010-KZJRS(B)/200L
Water tank volume (L)	200
Power Supply	220-240V/1Ph/50Hz/60Hz
Heating capacity (kW)	3.6
Rated Power (W)	0.8
Rated Current (A)	3.7
COP	4.50
Heating capacity (kW)	2.8
Rated Power (W)	0.57
Rated Current (A)	2.7
COP	4.92
Heating capacity (kW)	2.0
Rated Power (W)	0.44
Rated Current (A)	2.1
COP	4.58
Electric Heater Rated Power (W)	2000
Max Input Power(W)	3200
Max Input Current(A)	14.6
Max water pressure(MPa)	0.8
Max exchanger working pressure(MPa)	3.2
Refrigerant	R290
Working temperature range (°C)	-7~43
Noise(dB)	56
Tank material	Enamel
Water pipes connector size	DN20
IP Grade (Level of protection)	IPX4
Net Weight (KG)	108
Gross Weight (KG)	120
Net Dimension(mm)	Φ580×1825
Package Dimension(mm)	680×680×1980
Testing condition:Water Temperature from 15°C to 55°C, Dry bulb temperature 20°C, Wet bulb temperature15°C.	

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



R 2 9 0
Water Heater
ALL-IN-ONE

ON/OFF system-Stainless steel Inner tank



ON/OFF system-Stainless steel Inner tank

R290
All-in-one Water Heater

It's a cost-effective and worry-free residential hot water heating solution. With an efficiency up to 3-4 times higher than conventional gas boilers or electrical heaters, it could provide a stable supply of hot water for the bathroom and kitchen 24 hours a day.

Features

- R290 low GWP refrigerant (GWP=3, ODP=0).
- Energy efficient class A+
- WIFI smart control
- Stable silent operation
- Working temperature range -7°C ~ 43°C
- Micro-channel heat exchanger.
- **CMEV**: Central mechanical extract ventilation
- Max. outlet hot water temperature up to 75°C
- **Heating capacity/water tank size/appearance**: Customizable

Solar coil: Built-in or without
Stainless steel Inner tank



R290
zero carbon




A⁺
Energy-Saving




43dB

R290 All-in-one Water HeaterON/OFF Type

Model	PW005-KZJRS(A)/80L	PW005-KZJRS(A)/100L
Water tank volume (L)	80	100
Power Supply	220-240V/ 50Hz	
Heating capacity (kW)	1	
Rated Power (W)	245	
Rated Current (A)	1.11	
COP	4.08	
Electric Heater Rated Power (W)	1500	
Electric Heater Rated Current (A)	6.8	
Max Input Power (W)	1820	
Max Input Current (A)	8.3	
Max water pressure (MPa)	0.8	
Max exchanger working pressure (MPa)	3	
Refrigerant	R290	
Max water temperature (°C)	70	
Working temperature range (°C)	-7~43	
Noise (dB)	43	
Water pipes connector size	DN15	
IP Grade (Level of protection)	IPX1	
Net Weight (KG)	45	47
Gross Weight (KG)	57	59
Net Dimension (mm)	Φ510×1058	Φ510×1198
Package Dimension (mm)	580×580×1185	580×580×1295
Testing condition:Water Temperature from 15°C to 55°C, Dry bulb temperature 20°C, Wet bulb temperature15°C.		

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

R290 All-in-one Water HeaterON/OFF Type

Model	PW005-KZJRS(B)/150L	PW005-KZJRS(B)/200L	PW005-KZJRS(B)/250L	PW005-KZJRS(B)/300L
Water tank volume (L)	150L	200L	250L	300L
Power Supply	220-240V/ 50Hz	220-240V/ 50Hz	220-240V/ 50Hz	220-240V/ 50Hz
Heating capacity (kW)	1.8	1.8	1.8	1.8
Rated Power (W)	431	426	424	421
Rated Current (A)	1.97	1.95	1.94	1.92
COP	4.18	4.23	4.25	4.28
Electric Heater Rated Power (W)	1500			
Electric Heater Rated Current (A)	7.1			
Max Input Power (W)	2200			
Max Input Current (A)	10.6			
Max water pressure (MPa)	0.8			
Max exchanger working pressure (MPa)	3.2			
Inside body material of tank	SUS 304/316L/2205			
Compressor brand	HIGHLY			
Refrigerant	R290			
Working temperature range (°C)	-5~43			
Noise (dB)	46			
Water pipes connector size	DN20			
IP Grade (Level of protection)	IPX1			
Net Weight (KG)	62	72	90	108
Gross Weight (KG)	70	82	102	122
Net Dimension(mm)	Φ560×1470	Φ560×1765	Φ640×1630	Φ640×1860
Package Dimension(mm)	630×630×1650	630×630×1945	720×720×1810	720×720×2040
Loading quantity (carton)	27/57		24/48	
Testing condition:Water Temperature from 15°C to 55°C, Dry bulb temperature 20°C, Wet bulb temperature15°C.				

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

R 2 9 0 S E R I E S

ULTRA QUIET

DC Inverter



Introducing Power World's first upgraded high-end pool heat pump! It features the most environmentally friendly and market-promising R290 zero-carbon refrigerant, combined with full DC inverter technology, advanced noise reduction techniques, smart grid and photovoltaic compatible technology. This ensures ultra-quiet and eco-friendly sustainable heating for your pool!

UPCOMING!

