## Low-temperature heat pumps air - water, heat power up to 35 kW EASY LIFE R32

**EASYLIFE SERIES** EasyLife EVI monobloc DC inverter heat pumps are multifunctional units for heating, cooling and DHW . It combines environmentally friendly R32 refrigerant with extremely economical EVI conversion technology , A +++ ERP marking, the system can work stably in extreme cold areas -30 ℃ . LCD color control panel, Wi - Fi function and ±0.1 ℃ accurate temperature control provide users with smart home functions.



Key Features

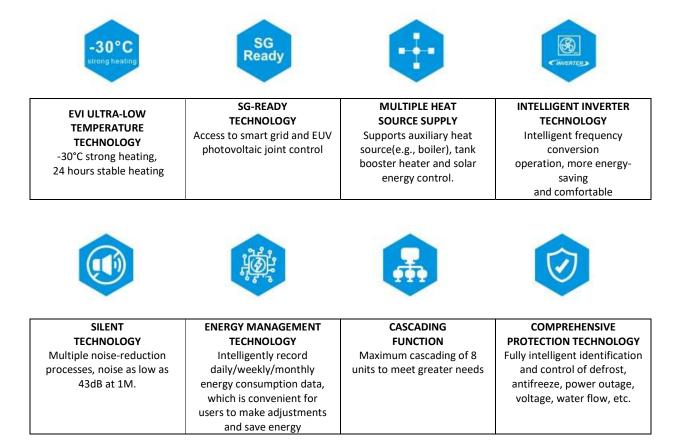- 4 Operating modes: Powerful/Smart/Silent/VacationSmart Defrost

- Maximum cascading 8 units

**ERP Label Test by TUV according to EN14825:2022.**

✓ The highest ERP grade: A+++/35℃
✓ The maximum SCOP reaches 4.72.

- Real-time energy consumption curves
- SG-Ready& PV-Ready functions
- Smart sterilization every 7 days(DHW)
- 20~60℃ 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

| **EVI ULTRA-LOW TEMPERATURE TECHNOLOGY** | **SG-READY TECHNOLOGY** | **MULTIPLE HEAT SOURCE SUPPLY** | **INTELLIGENT INVERTER TECHNOLOGY** |
|---|---|---|---|
| -30°C strong heating, 24 hours stable heating | Access to smart grid and EUV photovoltaic joint control | Supports auxiliary heat source(e.g., boiler), tank booster heater and solar energy control. | Intelligent frequency conversion operation, more energy-saving and comfortable |

| **SILENT TECHNOLOGY** | **ENERGY MANAGEMENT TECHNOLOGY** | **CASCADING FUNCTION** | **COMPREHENSIVE PROTECTION TECHNOLOGY** |
|---|---|---|---|
| Multiple noise-reduction processes, noise as low as 43dB at 1M. | Intelligently record daily/weekly/monthly energy consumption data, which is convenient for users to make adjustments and save energy | Maximum cascading of 8 units to meet greater needs | Fully intelligent identification and control of defrost, antifreeze, power outage, voltage, water flow, etc. |

## 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.
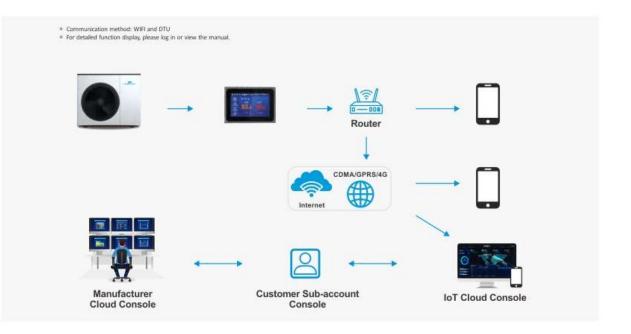
### Smart Life/Tuya Smart App

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

- Mode switching
- Energy consumption monitor and manage
- Real-time monitoring
- History record

- 15 Languages available
- Automatic fault diagnosis
- Various timing settings
- Operating parameters

## 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.

| | R32 FULL INVERTER EVI HEAT PUMP for cooling, heating and DHW | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BOM Code | CP-RW0300035 | CP-RW0400049 | CP-RW0400006 | CP-RW0500059 | CP-RW0500049 | CP-RW0600030 | CP-RW0800016 | CP-RW1000055 |
| Product Model | PW030-DKZLRS-A | PW040-DKZLRS-A | PW040-DKZLRS-A | PW050-DKZLRS-A | PW050-DKZLRS-A | PW060-DKZLRS-A | PW080-DKZLRS-A | PW100-DKZLRS-A |
| picture | | | |  | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Heating | Heating Capacity Range (kW) | 1.57~8.40 | 4.40~13.00 | 4.40~13.00 | 5.9~18.2 | 5.9~18.2 | 7.5~23.0 | 9.6~26.1 | 11.2~30.8 |
| | Heating Input Range (kW) | 0.32~1.87 | 0.90~3.02 | 0.90~3.02 | 1.20~4.11 | 1.20~4.11 | 1.53~5.23 | 1.98~6.11 | 2.30~7.15 |
| | Current Range (A) | 1.42~8.30 | 4.12~13.8 | 1.39~4.68 | 5.49~18.8 | 1.86~6.37 | 2.37~8.11 | 3.54~10.92 | 4.11~12.78 |
| | COP Range | 4.49~4.91 | 4.30~4.90 | 4.30~4.90 | 4.43~4.92 | 4.43~4.92 | 4.40~4.90 | 4.27~4.85 | 4.31~4.87 |
| Cooling | Cooling Capacity Range (kW) | 0.99~6.22 | 2.80~8.20 | 2.80~8.20 | 3.81~11.53 | 3.81~11.53 | 4.73~14.6 | 10.1~18.1 | 11.8~22.8 |
| | Cooling Input Power (kW) | 0.29~2.18 | 0.85~3.31 | 0.85~3.31 | 1.11~4.05 | 1.11~4.05 | 1.39~5.14 | 2.98~6.68 | 3.47~8.35 |
| | Current Range (A) | 1.28~9.67 | 3.89~15.1 | 1.32~5.13 | 5.08~18.5 | 1.72~6.28 | 2.16~7.97 | 5.33~11.94 | 6.20~14.93 |
| | EER Range | 2.85~3.41 | 2.48~3.29 | 2.48~3.29 | 2.85~3.43 | 2.85~3.43 | 2.84~3.40 | 2.71~3.39 | 2.73~3.40 |
| DHW | Heating Capacity Range (kW) | 1.28~6.81 | 3.52~10.50 | 3.52~10.50 | 4.80~14.72 | 4.80~14.72 | 6.1~18.5 | 10.7~22.6 | 11.5~30.7 |
| | Heating Input Range (kW) | 0.31~2.13 | 0.88~3.39 | 0.88~3.39 | 1.17~4.60 | 1.17~4.60 | 1.53~5.97 | 2.61~7.06 | 2.88~9.90 |
| | Current Range (A) | 1.38~9.45 | 4.03~15.5 | 1.36~5.26 | 5.35~21.1 | 1.82~7.15 | 2.37~9.26 | 4.67~12.62 | 5.15~17.69 |
| | COP Range | 3.2~4.1 | 3.1~4.0 | 3.1~4.0 | 3.2~4.1 | 3.2~4.1 | 3.1~4.0 | 3.2~4.1 | 3.1~3.99 |
| ErP Level (35℃) | | A+++ | A+++ | A+++ | A+++ | A+++ | A+++ | A+++ | A+++ |
| ErP Level (55℃) | | A++ | A++ | A++ | A++ | A++ | A++ | A++ | A++ |
| Power Supply | | 230V/1Ph/50-60Hz | | 380V/3Ph/50-60Hz | 230V/1Ph/50-60Hz | 380V/3Ph/50-60Hz | | | |
| Working Ambient Temperature | | -30~43℃ | | | | | | | |

| Refrigerant | R32 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Compressor Brand | Panasonic | | | | | | | |
| Four-way Valve | Sanhua | | | | | | | |
| Expansion Valve | Sanhua | | | | | | | |
| Operating Water Temperature (℃) DHW | 9–60℃ | | | | | | | |
| Operating Water Temperature (℃) heating | 9–50℃ | | | | | | | |
| Operating Water Temperature (℃) cooling | 7–35℃ | | | | | | | |
| IP Grade (Level of Protection) | IPX4 | IPX4 | IPX4 | IPX4 | IPX4 | IPX4 | IPX4 | IPX4 |
| Anti-electric Shock Rate | I | I | I | I | I | I | I | I |
| Noise (dB(A)) | ≤53 | ≤55 | ≤55 | ≤57 | ≤57 | ≤58 | 61 | 66 |
| Water Pressure Drop (kPa) | 31 | 25 | 25 | 35 | 35 | 45 | 50 | 55 |
| Water Circulation (m³/H) | 1.4 | 2.2 | 2.2 | 3.1 | 3.1 | 4.0 | 4.5 | 5.3 |
| Diameter of Pipe (mm) | DN25 | DN25 | DN25 | DN25 | DN25 | DN25 | DN32 | DN32 |
| Body Size (W*D*H) (mm) | 970×475×835 | 1100×475×985 | 1100×475×985 | 1050×480×1330 | 1050×480×1330 | 1050×480×1330 | 1050×520×1380 | 1050×520×1380 |