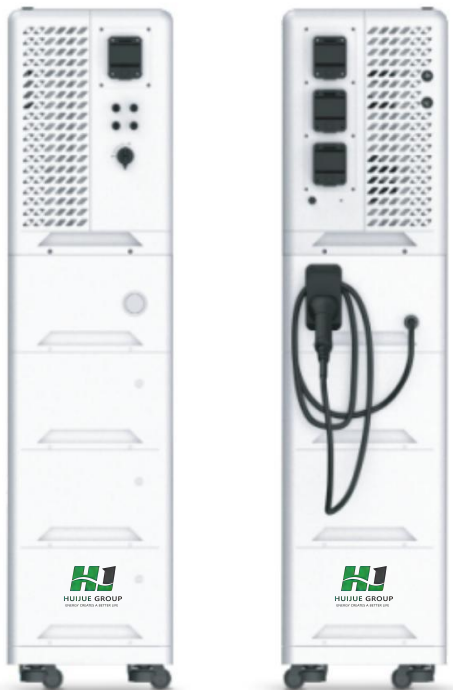




## Intelligent integrated solution



### Integrated Solution

PV Inverter + Energy Storage (ES) + EV Charger, all in one unit. This integration reduces the cost of EV charger installation and provides a unified APR.

### Easy Installation

Modular design allows for easy expansion through stacking of modules.

### IP65 Waterproof

IP65 rating for both dustproof and waterproof protection.

### Scalable Battery

Up to 6 additional parallel batteries can be added through stacking.

### Excessive PV Input Power

The input PV power is 1.4 times the AC rated output power.

### Comprehensive Protection

Dual protection (hardware and software) with complete safeguards including anti-islanding, short circuit, overcurrent, overvoltage, overheating, and more.



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**Inverter Data**

Max.Input Power(W)	7000W
PV Input Voltage Range(V)	150~500
MPPT Operating Voltage Range(V)	120~430
Number of MPP Trackers	2
Number of Strings per MPPT	1
Max.Input Current per MPPT	15A/15A
Nominal Utility Grid Voltage(V)	220/230/240
Nominal Utility Grid Frequency(Hz)	50/60
Rated Power Output to Utility Grid(W)	5000
Max.Apparent Power Output to Utility Grid(VA)	5500
Back-up Rated Power(W)	4500
Switch Time	<10ms

**Battery Data**

Battery Type	LiFePO4
Single Battery Energy(kWh)	5.12
No.of Expandable Batteries	8
Usable Energy Range(kWh)	5.12~40.96
Battery Voltage Range(V)	41.6~58.5

**EV Charger Data**

Rated Power(W)	7000
Nominal Voltage(V)	220/230/240
Nominal Frequency(Hz)	50/60
Operation Mode	Swipe card/APP control/Insert charger plug to start automatically/Schedule appointment for charging
Output cable	5m AC charging cable

**Convetion Efficiency**

Max.Efficiency	98%
FU Efficiency	97%
Max.Battery to AC Efficiency	95%
MPPT Efficiency	99.9%

**System Data**

Operating Temperature Range(°C)	-25~55°C
Relative Humidity	≤95%(25°C)
Vibration	<0.5G
Noise	<35 dB
Installation Altitude above Sea Level	<2000m
Protection Level	IP65
Cooling Mode	Natural Cooling
Communication	RS485/CAN/WiFi
Inverter Dimensions (W x H x D mm)	580 x 501 x 370
EV Charger Dimensions(WxHx D mm)	580 x 220 x 370
Single Battery Dimensions (W x H x D mm)	580 x 220 x 370
Base Dimensions(WxHxD mm)	604 x 100x404