

Energy Storage System with EV Charger



**3KW**

Energy Storage System with EV Charger



- ▶ Integration of photovoltaic inverter, energy storage, vehicle charging and power distribution.
- ▶ Built-in DSP control with SPWM modulation technology.
- ▶ Modular design with up to 6 battery modules in parallel.
- ▶ Easy to install, can be assembled independently in less than 20 minutes.
- ▶ 24/7 real-time network monitoring.

► Products Specification

Max. Input Power	7000W
PV Input Voltage Range	150~ 500VDC
MPPT Operating Voltage Range	120~430VDC
Number of MPP Trackers	2(1 MPPT per string)
Input Current per MPPT	15A/15A(Max)
Nominal Utility Grid Voltage	220/230/240VAC
Nominal Utility Grid Frequency	50/60Hz
Rated Power Output to Utility Grid	5000W
Apparent Power Output to Utility Grid	5500VA
Back-up Rated Power Output	4500W
Switch Time: <10ms	<10ms
Rated Power	7000W
Nominal Voltage	220/230/240VAC
Nominal Frequency	50/60Hz
Operation Mode	Swipe card/APP control,Insert charger plug to start automatically, Schedule appointment for charging.
Output cable	5m AC charging cable
Battery Type	LiFePO4
Single Battery Energy	5.12KWH
Expandable Batteries	8 PCS(Max)
Usable Energy Range	5.12-40.96KWH
Battery Voltage Range	41.6-58.5VDC
Max. Efficiency	98%
EU Efficiency	97%
Max. Battery to AC Efficiency	95%
MPPT Efficiency	99.90%
Operating Temperature Range	-25°C~55°C
Relative Humidity	≤95% (25°C)
Installation Altitude above Sea Level	< 2000
Cooling Mode: Natural Cooling	Natural Cooling
Communication: RS485/CAN/WiFi	RS485/CAN/WiFi
Inverter Size(mm)	645*557*370
EV Charger Size(mm)	650*270*370
Battery Size(mm)	585*270*370
Base Size(mm)	680*110*378