

STACKABLE BATTERY WITH OFF-GRID SOLAR INVERTER

HOME ENERGY STORAGE SYSTEM

UI-5.5KW / 5.12kWh 10.2kWh 15.36kWh



MODULAR STACK DESIGN

Flexible power usage allocation, easy to expand capacity



EASY TO USE

Intelligent user interface internal plug and play, barrier-free operation



STABLE DESIGN

Load bearing design for stable placement



BUILT-IN BMS

Safeguard for battery, easy to maintenance



TECHNICAL PARAMETERS

Output Power	5500W Max
Phase	Single-phase
Output Voltage	230VAC±10% or 110VAC±10%
Frequency	50HZ/60HZ (Automatic Detection)
Grid Voltage Range	230VAC /176-270VAC or 110VAC / 90-132VAC
Single Pack Capacity	5.12kWh (51.2V 100Ah)
Expandable Capacity Range	5.12kWh 10.24kWh 15.36kWh
Expandable Pack Quantity	1~3units
Continuous Discharge Current	120A
Maximum Discharge Current	132A/10S
Standard Charging Current	60A
Fast Charging Current	100A
Cooling-down Method	Air-cooled
Warranty	3 Years
Battery Type	LiFePO4
Cycle Life 80% DOD (25±5°C, 0.5C discharge)	> 3000
Maximum PV Input Power	5500W Max
Maximum PV Input Current	26A Max
MPPT Voltage Range	50-450VDC
The Charge/Discharge Efficiency	>92%
Battery Pack Voltage Range	43.2-60VDC +/-0.6VDC
Interface	Smart LCD Display and APP (Bluetooth or Wifi)
Solar Inverter Dimensions/Weight	360*490*163mm/15kg
Battery Unit Pack Size/Weight	320*490*163mm/55kg
Basic Size / Weight	730*490*163mm/70kg
Installation Method	Stack
Storage Humidity	≤85%RH
Operating Temperature	-10°C~55°C/14°F~ 131 °F
Charging Temperature	0°C~50°C/32°F~ 122 °F
Recommended Operating Temperature	25°C
IP Rating	IP54

