

FIRST SOLID STATE BATTERY



Solid State

heating 10.86–32.58kWh

Stackable

Stackable battery

- Higher Safety Protection
- Faster Dis/Charging Speed
- Broad range of inverter compatibility
- Intelligent Built-in BMS
- 6pcs Connections in Series

Features



8000
Cycle
Life@25°C



Solid-State
LFP Battery Cells



5,4kWh
Single
battery



1C



Increase 8%
Energy Density



Semi-Solid State

10.8–32.4kWh



Technical Specifications

Product Type		10.8kWh	16.29kWh	21.72kWh	27.15kWh	32.58kWh
Total Energy*		10.86kWh	16.29kWh	21.72kWh	27.15kWh	32.58kWh
Battery Capacity		53Ah				
Max. recommended DOD		93%				
Max Dis/Charge Power		12.3kW for 3S	18.4kW for 3S	24.6kW for 3S	30.8kW for 3S	36.9kW for 3S
Voltage		192~224Vd.c	288~336Vd.c	384~448Vd.c	480~560Vd.c	576~672Vd.c
Nominal Voltage		204.8Vd.c	307.2Vd.c	409.6Vd.c	512.5Vd.c	614.4Vd.c
Nominal Dis/charging Current		50A/50A				
Max Charging Current		60A(3s)				
Max Discharging Current		60A (3s)				
Max. Charge Voltage		230.4Vd.c	345.6Vd.c	460.8Vd.c	576Vd.c	691.2Vd.c
Weight (N.W.)		113 kg	167 kg	216 kg	270 kg	324 kg
Dimension(mm)(L*W*H)		660*300*600mm	660*300*900	660*300*1200mm	660*300*1500mm	660*300*1800mm
Operating Condition		Indoor & Outdoor (with shelter)				
Ambient Temperature	Charge	0~55℃				
	Discharge	-20~55℃				
Operating Ambient Temperature		-45~55℃				
WIFI Frequency Range		2400MHz~2483MHz				
Humidity		<60% (No condensed water)				
Over Voltage Category		II				
Cooling Type		Natural cooling				
Installation		Ground Installation				
IP rating		IP65				
Protective Class		I				
Max. Connection Number		6S				
Communication		CAN/ RS485				
Protection Mode		Hardware & software protection				
Battery Protection		Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature				
Safety		Cell UL TUV				
		CE/TUV				
Transportation		UN 38.3				
Product Warranty		10-year warranty and 8,000 cycle life, with 79.3% remaining capacity thereafter.(C-rate 1) All information contained in this document is subject to change without notice				