

FIRST SOLID STATE BATTERY



Solid State

HV 10.8–32.4kWh

Stackable | 600*300*570mm

Stackable battery

- Higher Safety Protection
- Faster Dis/Charging Speed
- High 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



FACTS & FIGURES

Semi-Solid State

10.8-32.4kWh | 600*300*570mm



Technical Specifications

Product Type		10.8kWh	16.2kWh	21.6kWh	27kWh	32.4kWh
Total Energy*		10.8kWh	16.2kWh	21.6kWh	27kWh	32.4kWh
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		179.2-227.2Vd.c	268.8-340.8Vd.c	358.4-454.4Vd.c	448.0-568.0Vd.c	537.6-681.6Vd.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		224Vd.c	336Vd.c	448Vd.c	560Vd.c	672Vd.c
Weight(N.W.)		111 kg	164 kg	217 kg	270 kg	323 kg
Dimension(mm)(L*W*H)		600*300*700mm	600*300*1000mm	600*300*1300mm	600*300*1600mm	600*300*1900mm
Operating Condition		Outdoor				
Operating Temperature	Charge	0 - -55 ℃				
	Discharge	-20 - -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 years warranty, 8000 cycles life All information contained in this document is subject to change without notice 1) For better battery life cycles, we suggest charge in 30A(0.6C @ 25°C) 2) For better battery life cycles, we suggest discharge in 30A(0.6C @ 25°C) 3) Peak Current excludes repeated short duration (less than 100ms) of current pattern.				

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SOLAR POWER. IT'S WATT YOU NEED.

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