



SmartStor RA48-51-100-200-314-LV

Rack type LiFePO4 Energy Storage Battery

4.8/5.12/9.6/10.24/16.07kWh



Highlights



Perfect Compatibility

Compatible to most inverter brands on the market, such as Growatt, Deye, Solis etc;



Flexible Configuration

Parallel for expanding capacity and power and support USB upgrade,wifi upgrade(optional),remote upgrade;



Eco-Friendly

The whole module is non-toxic, non-polluting and environmentally friendly;



Multi-protection

Protection functions including over-discharge, over-charge, over-current and over-high or low temperature etc;



Higher Cycle Life

charging & discharging efficiency is high, and the number of cycles is 8000+ times;



Smart Management

BMS can automatically manage charge & discharge state and balance current and voltage of each cell.

Product Model	RA48-100-LV	RA48-200-LV	RA51.2-100-LV	RA51.2-200-LV	RA51.2-314-LV
Rated Voltage(Vdc)	48		51.2V		
Rated Capacity (Ah)	100	200	100	200	314
Energy Storage (kWh)	4.8	9.6	5.12	10.24	16.07
Cell Configuration	15S1P	15S2P	16S1P	16S2P	16S1P
Max. Charge Current (A)	100A (Optional 150/200A for 200AH pack)				200A
Max. Discharge Current (A)	100A (Optional 150/200A for 200AH pack)				200A
Charge Voltage (V)	52.5		56		
Discharge Cut-off Voltage (Vdc)	40.5		43.3		
Charge Cut-off Voltage (Vdc)	54.75		58.4		
Cycle Life	≥8000 times @80% DOD, 25°C, 0.5C				
Charge Temperature	0°C ~ 50°C @60±25% Relative Humidity				
Discharge Temperature	-20°C ~ 50°C @60±25% Relative Humidity				
Storage Temperature	-20°C ~ 50°C @60±25% Relative Humidity				
Communication Protocol (Optional)	CAN/RS485/RS232				
IP Rating	IP21				
Case Material	Metal				
Product Dimensions L×W×H (mm)	480×442×178 (4U)	680×442×178 (4U)	480×442×178(4U)	680×442×178 (4U)	780×442×230 (5U)
Package Dimensions L×W×H (mm)	585×535×240	820×625×310	585×535×240	820×625×310	888×712×430
Net Weight (kg)	42	84	44	88	120
Gross Weight (kg)	47	93	49	97	136
Certificate	UN38.3, MSDS, CE, UL1973				