



SmartStor RO51-280-314-LV

Roller LiFePO4 Energy Storage Battery

14.33/16.07kWh



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	RO51.2-280-LV	RO51.2-314-LV
Rated Voltage(Vdc)	51.2V	
Capacity(Ah)	280Ah	314Ah
Rated Energy (kWh)	14.33	16.07
Cells In Series	16S	
Charging Voltage (V)	58.4	
Discharge Cut-off Voltage (V)	42	
Standard Charge Current (A)	50	
Maximum Charging Current (A)	140	
Maximum Discharge Current (A)	140	
Cycle Life	≥8000 times @80% DOD, 25°C, 0.5C	
Methods Of Communication	RS232/RS485/CAN	
Charging Temperature	0~60°C @60±25% Relative Humidity	
Discharge Temperature	-10~65°C @60±25% Relative Humidity	
How It Is Displayed	LCD display	
IP Protection	IP 21	
Product Dimensions (L×W×Hmm)	580×750×279	
Net Weight (Kg)	113	
Packing Dimensions (L×W×Hmm)	750×910×495	
Gross Weight (Kg)	128	135
Certificate	UN38.3, MSDS, CE	