



SK24V100 Lithium Iron Phosphate Battery

Mechanical Properties	
Dimension	494 x 200 x 210mm
Weight	25 kg
Housing Material	Painted Metal Enclosure
Terminal Size	M8
Electrical Characteristics	
Nominal Voltage	25.6
Rated Capacity	100Ah
Capacity @ 20A	300 Min
Energy	2560 Wh
Self Discharge	≤3% Per Month
Cells	3.2V 100 Ah cells
Resistance	≤ 20mΩ @ 50% SOC
Charging Parameters	
Recommended Charge Current	20A
Maximun Charge Current	50A
Recommended Charge Voltage	29.2V
BMS Charge Voltage Cut-off	<29.2V (3.65v/cell)
Reconnect Voltage	>28.8V (3.6v/cell)
Balancing Voltage	<28.8V (3.6v/cell)
Maximum Batteries in Series	4
Discharge Parameters	
Maximum Continuous Discharge Current	100A
Peak Discharge Current	200A (3S)
BMS Discharge Current Cut Off	330A ± 10 A (6-16ms)
BMS Discharge Voltage Cut Off	> 20.8V (50~150 ms)(2.6v/cell)
Reconnect Voltage	>23.2V (2.9v/cell)
Recommended Low Voltage Disconnect	22.4V
Operation & Storage Temperature Range	
Discharge Temperature	-20 to 60 °C
Charge Temperature	0 to 45 °C
Storage Temperature	-5 to 35 °C
Compliance	
Construction	8S 1P 3.2v LiFePO4
Shipping Classification	UN 3480 Class 9 MSDS
Cell Type	Prismatic LiFePO4 3.2V 100Ah Grade A+ Cell (Certifications UL1642 & IEC62133 cells)

Dimensions

