



SK12V100 Lithium Iron Phosphate Battery

Mechanical Properties	
Dimension	260 x 200 x 205mm
Weight	12.8 kg
Housing Material	Black Paint Metal Case
Terminal Model & Torque	2x M8 (9-11 N-m)
Electrical Characteristics	
Nominal Voltage	12.8
Rated Capacity(0.2C)	100Ah
Efficiency	99%
Energy	1280 Wh
Self Discharge	≤3% Per Month
Cells	3.2V 100 Ah cells
Resistance	≤ mΩ @ 50% SOC
Charging Parameters	
Recommended Charge Current	20A
Maximun Charge Current	50A
Recommended Charge Voltage	14.6V
BMS Charge Voltage Cut-off	<14.6V (3.65v/cell)
Reconnect Voltage	>14.4V (3.6v/cell)
Balancing Voltage	<14.4V (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	> 10.4 (50~150 ms)(2.6v/cell)
Reconnect Voltage	>11.6V (2.9v/cell)
Recommended Low Voltage Disconnect	11.2
Operation & Storage Temperature Range	
Discharge Temperature	-20 to 60 °C
Charge Temperature	0 to 45 °C
Storage Temperature	-5 to 35 °C
Compliance	
Construction	4S 1P 3.2v LiFePO4
Shipping Classification	UN 3480 Class 9 MSDS
Cell Type	Prismatic Cell (UL1973 Standard) LiFePO4 3.2V 100Ah Grade A+

Outline Dimensions

