

48V Series

1. 7 Years Warranty, Up To 8000 Cycles Life Span
2. PC Software Monitoring
3. Rack Mount Design
4. Built-In BMS, RS485/RS232/CAN Inverter communication
Confirmed function with MPP Solar, Victron, Sol-Ark & More



Mechanical Properties		SK48V100
Dimension		442*456*177mm
Weight		45kg (99.2 Lbs)
Housing Material		White Metal
Terminal Model		2x M8 (Use 5/16" Ring Lugs)
Electrical Characteristics		
Nominal Voltage		51.2V
Rated Capacity(0.2C)		100Ah
Efficiency		99%
Energy		5,120Wh
Self Discharge		≤3% Per Month
Charging Parameters		
Recommended Charge Current		0 ~ 63A
Maximun Charge Current		100A
Recommended Charge Voltage		57.6V-58.4V
BMS Charge Voltage Cut-off		>58.2V
Reconnect Voltage		<57.6V
Balancing Voltage		>57.6V
Discharging Parameters		
Maximum Continuous Discharge Current		100A
Peak Discharge Current		125A (3S)
Short Circuit Protection		330A, 200μs
BMS Discharge Voltage Cut-off		<46V
Reconnect Voltage		>48V
Recommended Inverter Low Voltage Disconnect		48V
Operation & Storage Temperature Range		
Discharge Temperature		-4 to 140 °F (-20 to 60 °C)
Charge Temperature		32 to 113 °F (0 to 45 °C)
Storage Temperature		23 to 95 °F (-5 to 35 °C)
Compliance		
Construction		16S 1P 3.2v LiFePO4
Shipping Classification		UN 3480 Class 9 MSDS
Cell Type		Prismatic Cell (UL1973 Standard) LiFePO4 3.2V 100Ah Grade A+