

51.2V 100Ah 5.12KWH Solid state battery pack with 100A BMS



Function Parameter

Norminal Battery Energy	5.12KWH
Norminal Capacity	100Ah
Norminal Voltage	51.2V
Dimensions (MM)	600*410*160
Internal Resistance	≤30mΩ
Cycle Life	>6000
Months Self Discharge	<3%
Charge Data	
DC Normal Charge Voltage	58.4±1Vdc
Charge Mode	0.2C to 58.4V, then 58.4V, charge current to 0.02C (CC/CV)
Recommended Charger Curren	≤50A
Allowed Max. Charge Current	50A
Charge Cut-off Voltage	58.4±1Vdc
Discharge Data	
Continuous Discharge Current	100A
Allowed Max. discharge current	100A
Discharge cut-off voltage	42V
Working Condition	
Charge Temperature	0°C to 45°C
Discharge Temperature	-20°C to 60°C
Storage Temperature	0°C to 40°C
Enclosure Protection Level	IP52
Mechanical Data	
Cell & Capacity	Solid lithium battery cell
Shell material	Iron shell

Structure

