

Energy Storage Li-ion Battery
LB51100 Datasheet



Item	Specification
Nominal Voltage	51.2V
Voltage Range	44.8-58.4V
Nominal Capacity	5.12KWh
Cell type	LFP 3.2V/100Ah 3U
Cycle Life(0.5C/0.5C,80% DOD,25°C)	4000
Recommend Charge/Discharge Current	50A
Maximum Charge/Discharge Current	100A
Peak Charge/Discharge Current	150A@10sec
Rated Charge/Discharge Power	5KW
Discharge Depth	90%
Charging Temperature	0-60°C
Discharge Temperature	-20-60°C
Communication Interface	CAN/RS485/RS232
Parallel Configuration	Up to 8pcs
Size (W*H*D)	440mm*135mm*620mm
Weight	46.2kg
Installation	Rack mounting
Design life	10 Years(25°C)
Storage Time (-20°C~35°C)	3 Months
Operation Temperature	0-40°C
Storage Temperature	-20-35°C
Guarantee Period	5 Years · 4000 cycles
IP Protection	IP20
Cooling type	Natural Cooling