



51.2V 100AH Stackable LiFePO4 Battery Energy Storage System



**OVER DISCHARGE
PROTECTION**



**OVER DISCHARGE
PROTECTION**



**OVER CHARGE
PROTECTION**



**SHORT CIRCUIT
PROTECTION**



**TEMPERATURE
PROTECTION**

PRODUCT MODEL	LFP-51.2-100
Performance Parameter	
Energy	5.16kWh
Battery Type-Chemistry	LifePO4
Nominal Voltage	51.2V
Nominal Capacity	100Ah
Dimensions (LxWxH)	482*480*178mm
Weight(Approx.)	55KG
Operating Voltage Range	43.2V-57.6V
Recommended Charge Voltage	56.0V±0.2V
Max Charge Voltage	58.4V±0.2V
Recommended Charge Current	100A
Max Continuous Charge Current	100A
Recommended Discharge Voltage	44.8V±0.2V
Max Discharging Voltage	43.2V±0.2V
Max Continuous Discharge Current	100A
Peak Discharge Current	120A (100ms)
Internal Resistance	<25mΩ
Efficiency - Round Trip	>97%
Self Discharge per Month	<3%
Max Parallel Connectors	16Pcs
Altitude	≤4000m
Humidity	5%-95%
Function Description	
Installation Type	Upright
Terminal Type	Screw Fixation
Case Material	SPCC
BMS Build-in	Yes
Series Connections	Not Allowed
Working Condition	
Cycle Life (0.5C, 25°C@90%DOD)	>6,000 Cycles
Discharge Temperature	-20°C to 70°C
Charge Temperature	-5°C to 65°C
Storage Temperature	0°C to 30°C