



BeLY Bluetooth with Heating Series LFP-12V100AH

This series is with features:

New Grade A+ prismatic cells

Pre-charge function

With Bluetooth and Self-heating

Smart BMS design with passive & active balancer integrated

ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8V
Nominal Capacity	100Ah
Energy	1280Wh
Resistance	<10m Ω
Discharge Efficiency	>99%
Self Discharge	<3% per Month

CHARGE SPECIFICATIONS

Maximum Charge Current	100A
Recommended Charge Current	≤50A
Charge Voltage	14.2~14.6V
Charge Cut-off Voltage	14.6V
Reconnect Voltage	13.6V
Cells Balancing Voltage	3.4V
Cells difference voltage value to open balancing	15mV (passive balancer) 30mV (active balancer)
Passive Balance current	50-100mA
Active Balance current	1-5A

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	260*168*209mm
Weight	12kg
Terminal Type	M8
Terminal Torque	10-15N-m
Case Material	ABS
Enclosure Protection	IP65

DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	100A
Max. Pulse Discharge Current	120A (5S)
Discharge Cut-off Voltage	10V
Reconnect Voltage	12V
Short Circuit Protection	Yes

TEMPERATURE SPECIFICATIONS

Discharge Temperature	-4~140°F (-20 ~60°C)
Charge Temperature	-22~140°F (-30°C~60°C)
Temperature Range Storage <1 month	-4~122°F (-20°C~50°C)
Temperature Range Storage >1 month	23~104°F (-5°C~40°C)