



BeLY Bluetooth with Heating Series LFP-36V80AH

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	38.4V
Nominal Capacity	80Ah
Energy	3072Wh
Resistance	<10m Ω
Discharge Efficiency	>99%
Self Discharge	<3% per Month

MECHANICAL SPECIFICATIONS	
Dimensions (L x W x H)	522*240*218mm
Weight	28kg
Terminal Type	M8
Terminal Torque	10-15N-m
Case Material	ABS
Enclosure Protection	IP65

CHARGE SPECIFICATIONS	
Maximum Charge Current	100A
Recommended Charge Current	≤50A
Charge Voltage	42.6~43.8V
Charge Cut-off Voltage	43.8V
Reconnect Voltage	40.8V
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

DISCHARGE SPECIFICATIONS	
Maximum Continuous Discharge Current	100A
Max. Pulse Discharge Current	120A (5S)
Discharge Cut-off Voltage	30V
Reconnect Voltage	36V
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)