

Electrical Performance	
Nominal Voltage	12.8 V
Nominal Capacity	100 Ah
Capacity @ 20A	300 min
Energy	1280 Wh
Resistance	≤20 mΩ @ 50% SOC
Self Discharge	<3% / Month
Cell Type	Prismatic 3.2V100Ah

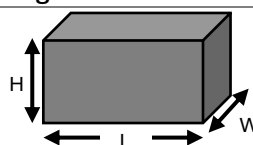
Charge Performance	
Recommended Charge Current	20 A
Maximum Charge Current	100 A
Recommended Charge Voltage	14.6 V
Charge Cut-Off Voltage	<15.2 V
Reconnect Voltage	>14.4 V
Balancing Voltage	<14 V
Maximum Batteries in Series	4

Temperature Performance	
Discharge Temperature	-20 ~ 60 °C
Charge Temperature	0 ~ 45 °C
Storage Temperature	-5 ~ 35 °C
High Temperature Cut-Off	65 °C
Reconnect Temperature	48 °C

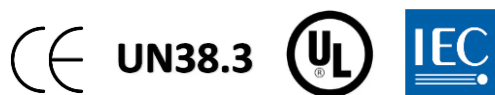
Mechanical Characteristics	
Dimension (L x W x H)	330x172x215 mm
Approx. Weight	10.5 kg
Terminal Type	M8
Terminal Torque	80 ~ 10 in-lbs
Case Material	ABS
Enclosure Protection	IP65


Discharge Performance	
Continuous Discharge Current	50 A
Maximum Continuous Discharge Current	100 A
Peak Discharge Cut-Off Current	300 A
Recommended Low Voltage Disconnect	10 V
Discharge Cut-Off Voltage	>8.4 V
Reconnect Voltage	>10 V
Short Circuit Protection	200 ~ 600 μs


Accessories	
Bluetooth	No
Heating Function	No



330(L) x 172(W) x 215(H)
in mm




 **High Cycle Life**
≥3000 cycles @100% DOD

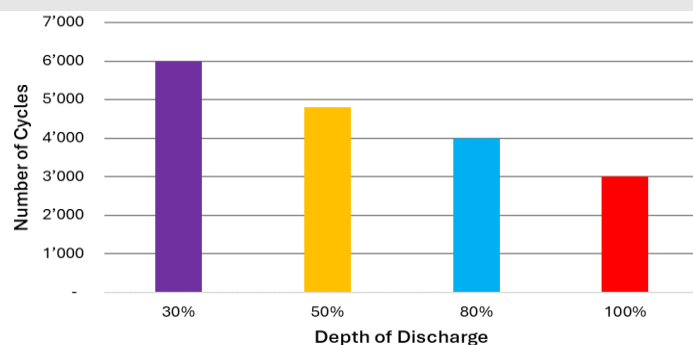
 **Longer Service Life**
Low maintenance, operation status can be monitored via smart battery LCD

 **Built in Circuit Protection**
Built in BMS against abuse

 **Lightweight Design**
Lightweight and compactness make it ideal for wide range of applications

 **Extreme Heat Tolerance**
Suitable for wide range of applications where ambient temperature is unusually high

Effect of discharge depth on cycle life



SOC Curve (0.5C, 25°C)

