

ELECTRICAL PERFORMANCE

Nominal Voltage	12.8 V
Nominal Capacity	100 Ah
Capacity @ 15.6A	300 min
Energy	1280 Wh
Resistance	≤20 mΩ @ 50% SOC
Self Discharge	<3% / Month
Cells	Prismatic Cell 100Ah

CHARGE PERFORMANCE

Recommended Charge Current	20 A
Max Charge Current	50 A
Recommended Charge Voltage	14.6 V
Charge Cut-Off Voltage	<15.2 V (0.5 - 1.5 s)
Reconnect Voltage	>14.4 V
Balancing Voltage	<14 V
Maximum Batteries in Series	4
Maximum Batteries in Parallel	4

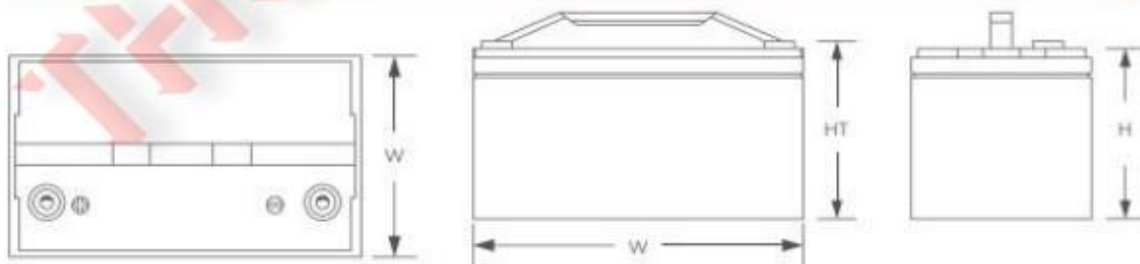
DISCHARGE PERFORMANCE

Continuous Discharge Current	50 A
Maximum continuous Discharge Current	100 A
Peak Discharge Cut-Off Current	300 A (5 - 15 ms)
Recommended Low Voltage Disconnect	10 V
Discharge Cut-Off Voltage	8.4 V (50 - 150 ms)
Reconnect Voltage	10 V
Short Circuit Protection	200 - 600 μs

COMPLIANCE

Certifications	CE UN38.3 UL1642 & IEC62133
Shipping Classification	UN 3480, CLASS 9

OUTLINE DIMENSION



L mm(")	W mm(")	H mm(")	HT mm(")
330 (12.99)	172 (6.77)	225 (8.8)	



MECHANICAL PERFORMANCE

Dimension (L x W x H)	330 x 172 x 225 mm
Approx. Weight	11.7 kg
Terminal Type	M8
Terminal Torque	80 - 100 in-lbs (9 - 11 N-m)
Bluetooth Test Window	Yes
Case Material	ABS
Enclosure Protection	IP65

TEMPERATURE PERFORMANCE

Discharge Temperature	-4 - 140 °F (-20 - 60 °C)
Charge Temperature	32 - 113 °F (0 - 45 °C)
Storage Temperature	23 - 95 °F (-5 - 35 °C)
High Temperature Cut-Off	149 °F (65 °C)
Reconnect Temperature	118 °F (48 °C)

PERFORMANCE CHARACTERISTICS

