

TECHNICAL SPECIFICATION

12.8V 100Ah - 1280Wh | IP65



12.8V 100Ah

GENERAL SPECIFICATIONS

Model	GT12V100-LTSB-A20
Chemistry	LiFePO4
Nominal Voltage	12.8V
Nominal Capacity	100Ah
Nominal Energy	1280Wh
Cycle Life	4000 cycles @ 80% DOD

MECHANICAL SPECIFICATIONS


Dimension (L x W x H)	10.23 in x 6.6 in x 9.2 in
Weight	23.14 lbs
Casing Material	ABS
Terminal Type	M8
Enclosure Protection	IP65

TEMPERATURE SPECIFICATIONS

Charge Temperature	0 to 55°C
Discharge Temperature	-20 to 55°C
Storage Temperature	-20 to 35°C (<18 Month)

OTHER SPECIFICATIONS

Self-Discharge	<3% Per Month
Parallel/Series Connection	4 Parallel/4 Series Support
Bluetooth APP	Yes
Low Temperature Heating	Yes
Accessory	LCD Display

 Manufactured and distributed by Grand Teton Energy Systems.

Performance may vary depending on application. All Specifications and operation conditions are subject to change without notice. This data is for evaluation purposes only. No guarantee is intended or implied by this data.

Version 001

CHARGE SPECIFICATIONS

Charge Voltage	14.6V \pm 0.2V
Charge Mode	CC-CV
Recommended Charge Current	50A
Maximum Charge Current	100A
BMS Charge Cut-Off Voltage	14.6V
Reconnect Voltage	14.2V

DISCHARGE SPECIFICATIONS

Recommended Discharge Current	75A
Max. Cont. Discharge Current	150A
Peak Discharge Current	300A-3s
Discharge Cut-Off Voltage	10V
Reconnect Voltage	10.8V

COMPLIANCE SPECIFICATIONS

Certification (Battery Pack)	CE/UN38.3/MSDS
Certification (Cell)	UL1973
Shipping Classification	UN3480, Class 9

BATTERY RECYCLE



NOTE: Do Not Mix With Sealed Lead Acid Batteries When Recycling.
See Grand Teton User's Manual for Proper Operation.
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BATTERY DIMENSIONS

