

DATA SHEET

24 V 50 Ah



GENERAL SPECIFICATIONS

Model	GT24V50-LTSB-A20
Chemistry	LiFePO4
Nominal Voltage	25.6 V
Nominal Capacity	50 Ah
Nominal Energy	1280 Wh
Cycle Life	4000 cycles @ 80% DOD

MECHANICAL SPECIFICATIONS

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

TEMPERATURE SPECIFICATIONS

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

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 operating conditions are subject to change without notice. This data is provided for evaluation purposes only and does not imply any warranty or guarantee.

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Version 003 - Revised 01-20-2026

CHARGE SPECIFICATIONS

Charge Voltage	29.2 V
Charge Mode	CC-CV
Recommended Charge Current	25 A
Maximum Charge Current	50 A
BMS Charge Cutoff Voltage	29.2 V
Reconnect Voltage	28.4 V

DISCHARGE SPECIFICATIONS

Recommended Discharge Current	50 A
Maximum Continuous Discharge Current	75 A
Discharge Cutoff Voltage	20 V
Reconnect Voltage	21.6 V
Peak Discharge Current	150 A for 3 s

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. Refer to the Grand Teton user manual for proper operation.

BATTERY DIMENSIONS

