

DATA SHEET

51 V 50 Ah



GENERAL SPECIFICATIONS

Model	GT51V50-GC-A20
Chemistry	LiFePO4
Nominal Voltage	51.2 V
Nominal Capacity	50 Ah
Nominal Energy	2560 Wh
Cycle Life	4000 cycles @ 80% DOD

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	18.1 in x 13.1 in x 4.9 in
Weight	58.42 lb
Casing Material	Steel
Terminal Type	M8

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 Not limited/Series not supported
Bluetooth App	Optional
Low Temperature Heating	Optional
Communication/Monitor	Optional

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. Grand Teton Energy Systems. All rights reserved.

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CHARGE SPECIFICATIONS

Charge Voltage	58.4 V
Charge Mode	CC-CV
Recommended Charge Current	25 A ± 1 A
Maximum Charge Current	100 A ± 5 A
BMS Charge Cutoff Voltage	58.4 V
Reconnect Voltage	57.6 V

DISCHARGE SPECIFICATIONS

Recommended Discharge Current	25 A ± 1 A
Maximum Continuous Discharge Current	100 A ± 5 A
Discharge Cutoff Voltage	40 V
Reconnect Voltage	36.8 V
Peak Discharge Current	475 A - 400 ms : 250 A - 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

