

# TECHNICAL SPECIFICATION

51.2V 50Ah - 2560Wh



51.2V 50Ah & Real Time Monitor

## GENERAL SPECIFICATIONS

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

## MECHANICAL SPECIFICATIONS


Dimension (L x W x H)	18.1 in x 13.1 in x 4.9 in
Weight	58.42 lbs
Casing Material	Steel
Terminal Type	M8
Color	Black

## 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 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 operation conditions are subject to change without notice. This data is for evaluation purposes only. No guarantee is intended or implied by this data.

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## CHARGE SPECIFICATIONS

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

## DISCHARGE SPECIFICATIONS

Recommended Discharge Current	25 ± 1A
Max. Cont. Discharge Current	100 ± 5A
Peak Discharge Current	475A-400ms : 250A-3s
Discharge Cut-Off Voltage	40V
Reconnect Voltage	36.8V

## 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

