

DATA SHEET

24 V 230 Ah



GENERAL SPECIFICATIONS

Model	GT24V230-CAN-A20
Chemistry	LiFePO4
Nominal Voltage	25.6 V
Nominal Capacity	230 Ah
Nominal Energy	5888 Wh
Cycle Life	> 4000 cycles @ 80% DOD

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	20.6 in x 11 in x 9.8 in
Weight	45.76 lb
Casing Material	ABS, UL-94 V-0
Terminal Type	M8
Enclosure Protection	IP56

TEMPERATURE SPECIFICATIONS

Charge Temperature	0 °C to 45 °C (32 °F to 113 °F)
Discharge Temperature	-30 °C to 60 °C (-22 °F to 140 °F)
Storage Temperature	-40 °C to 60 °C (-40 °F to 140 °F)
BMS High Temperature Cutoff	80 °C (176 °F)

OTHER SPECIFICATIONS

Self-Discharge	2% per month
Efficiency	99%
Resistance	$\leq 10 \text{ m}\Omega$

 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.

Version 002 - Revised 01-22-2026

CHARGE SPECIFICATIONS

Charge Voltage	28.8 V to 29.6 V
Charge Method	CC-CV
Recommended Charge Current	100 A
Maximum Charge Current	200 A
BMS Charge Cutoff Voltage	31.2 V
Recommended Float Voltage	27.4 V

DISCHARGE SPECIFICATIONS

Continuous Discharge Current	200 A
BMS Discharge Cutoff Voltage	8 V
Reconnect Voltage	9.2 V
Pulse Discharge Current	1800 A
Maximum Discharge Current	430 A (< 3 seconds)
Short Circuit Protection	200 to 600 μs

COMPLIANCE SPECIFICATIONS

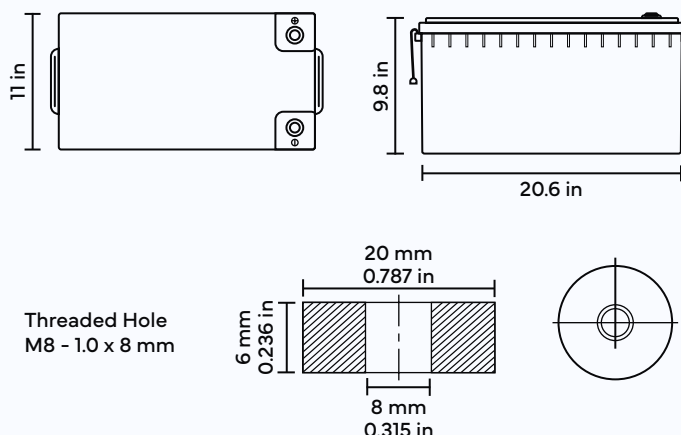
Certifications	CE IEC62619 IEC62133 & CB BIS
Shipping Classification	UN3480 Class 9 UN38.3

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



DATA SHEET

24 V 230 Ah

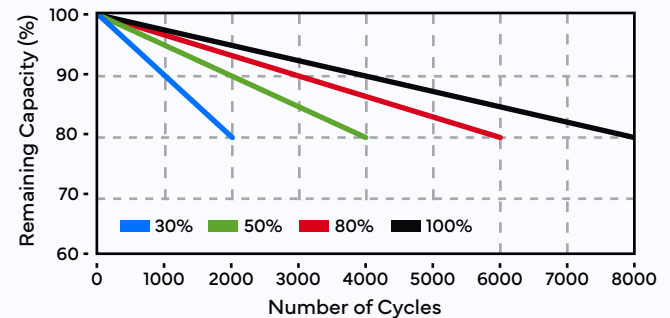


BATTERY APPLICATIONS

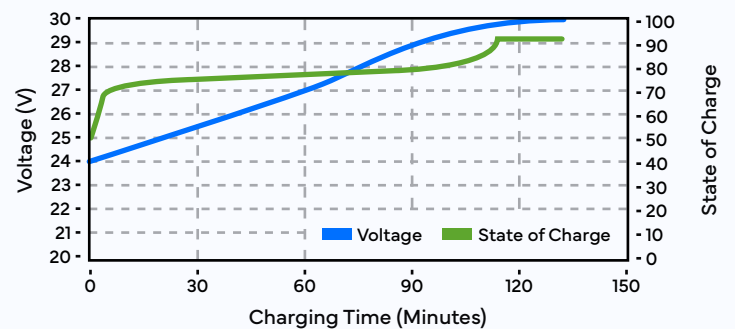
- ⚡ Touring Cars
- ⚡ Electric Ships
- ⚡ Floor Cleaning Machines
- ⚡ UPS Backup Power Supply
- ⚡ Outdoor Monitoring Equipment
- ⚡ Solar Energy Storage Equipment



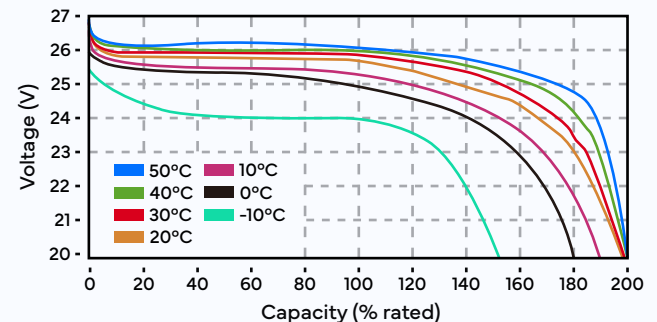
PERFORMANCE CHARACTERISTICS



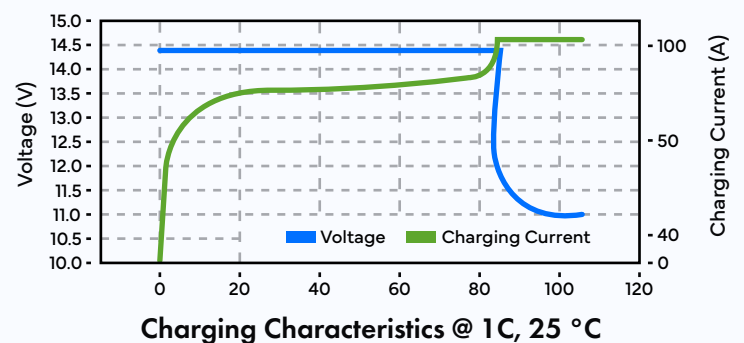
Cycle Life vs. Depth of Discharge (DOD)
Discharge @ 1C, 25 °C



State of Charge Curve @ 1C, 25 °C



Discharge Capacity at Various Temperatures
Discharge @ 1C, 25 °C



Charging Characteristics @ 1C, 25 °C