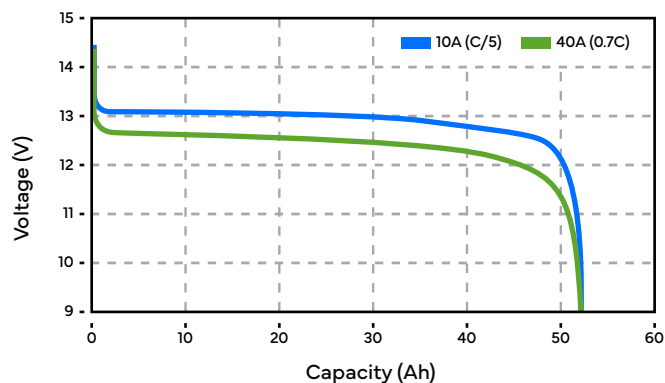


DATA SHEET

K2B12VU1-1 - HIGH CAPACITY | ENERGY BATTERY DATA



K2B12VU1-1



K2B12VU1-1 Discharge Rates at 25°C

GENERAL SPECIFICATIONS

Nominal Capacity @ C/5 (Ah)	51.8
Average Operating Voltage @ C/5 (V)	12.8
Protection Control Module*	
Weight	12.5 lbs
Height	6.8 in
Width	5.2 in
Length	7.8 in

RECOMMENDED OPERATING CONDITIONS

Continuous Discharge (A)	≤ 35
Pulse Discharge (A) ≤ 30 Seconds	≤ 40
Charge Current (A)	≤ 26
Charge Voltage Cutoff (V)	14.6
Discharge Voltage Cutoff (V)	10.0
High Operating Temp (°C)	60
Low Operating Temp (°C)	-20

MAXIMUM OPERATING CONDITIONS

Continuous Discharge (A)	≤ 40
Pulse Discharge (A) ≤ 30 seconds	≤ 70
Charge Current (A)	≤ 40
Charge Voltage Cutoff (V)	15.6
Discharge Voltage Cutoff (V)	8.0
Max Modules in Series	4

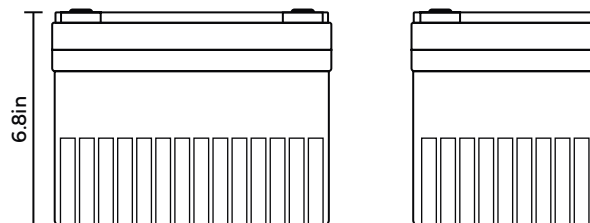
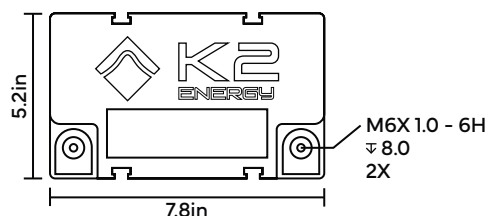
ADVANCED FEATURES


- ⚡ Short Circuit Protection
- ⚡ High Voltage Cut Off
- ⚡ Low Voltage Cut Off
- ⚡ Auto Cell Balancing
- ⚡ K2 Charger Available

CONSTANT CURRENT TIME PROFILE @ 25°C

C/20 (2.6 A)	20 hrs
C/5 (10 A)	5.2 hrs
C/2 (25 A)	125 min
0.7C (40 A)	78 min

DIMENSIONS



 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. MDS.

Version 001