

HIGH CAPACITY **K2B12V7EB** ENERGY BATTERY DATA



UNDOT 38.3 Tested | RoHS Compliant

SPECIFICATIONS

Nominal Capacity @ C/5 (Ah)	6.4
Average Operating Voltage @ C/5 (V)	12.8
Protection Control Module*	
Weight (kg/lbs)	0.9 / 2.0
Height (mm/in)	97.3 / 3.83
Width (mm/in)	64.3 / 2.53
Length (mm/in)	151 / 5.94

RECOMMENDED OPERATING CONDITIONS

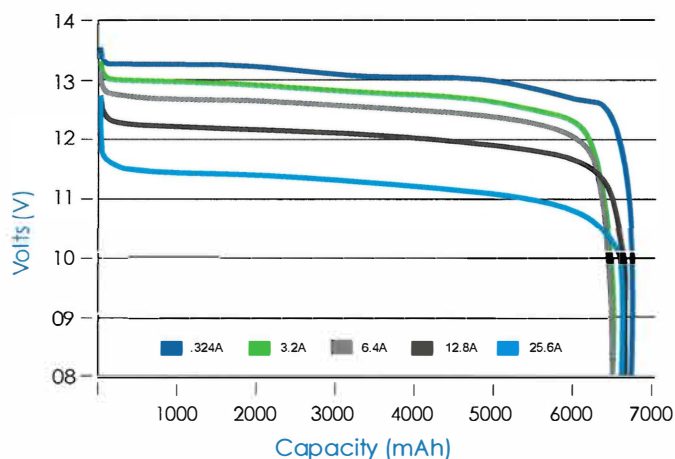
Continuous Discharge (A)	≤ 6.4
Pulse Discharge (A) 30 Seconds	25
Charge Current (A)	≤ 3.2
Charge Voltage Cutoff (V)	14.6
Discharge Voltage Cutoff (V)	10.0
High Operating Temp (°C)	60
Low Operating Temp (°C)	-20

MAXIMUM OPERATING CONDITIONS

Continuous Discharge (A)	≤ 24
Pulse Discharge (A) ≤ 2 seconds	40
Charge Current (A)	≤ 6.4
Charge Voltage Cutoff (V)	16.4
Discharge Voltage Cutoff (V)	8.0
Max Modules in Series	4

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. P0003 REV-B 2016

K2B12V7EB at Different Discharge Rates



K2B12V7EB Constant Current Time Profile @ 25°C_t

C/20 (0.32 A)	C/2 (3.2 A)	1C (6.4 A)	2C (12.8 A)	2.6C (16.7 A)
20 hrs	2 hrs	60 min	29 min	24 min

*Cell balancing, low voltage cutoff, high voltage cutoff, & short circuit protection

DIMENSIONS:

