

## HIGH CAPACITY K2B12V7EB ENERGY BATTERY DATA



UNDOT 38.3 | RoHS Compliant

### SPECIFICATIONS:

|                                    |             |
|------------------------------------|-------------|
| Nominal Capacity @ C/5 (Ahr)       | 6.4         |
| Average Operating Voltage @ C/5    | 12.8        |
| Internal Impedance @ 1kHz, AC (mΩ) | <5.0        |
| Weight (kg/lbs)                    | 0.9 / 2.0   |
| Height (mm/inch)                   | 97.3 / 3.83 |
| Width (mm/inch)                    | 64.3 / 2.53 |
| Length (mm/inch)                   | 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 Temp Operating Temp (°C)  | 60   |
| Low Temp Operating Temp (°C)   | -20  |

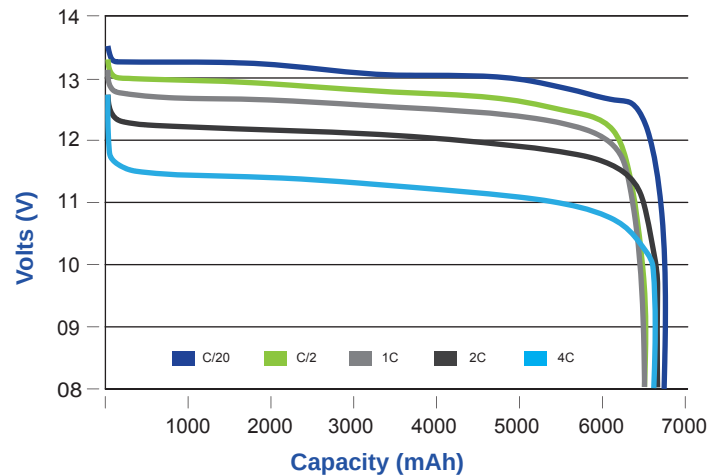
### MAXIMUM OPERATING CONDITIONS:

|                                |      |
|--------------------------------|------|
| 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 Module 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 P0005/A

### K2B12V7 at Different Discharge Rates



### K2B12V7 Constant Current Time Profile @ 25°C

| C/20<br>(0.32 A) | C/2<br>(3.2 A) | 1C<br>(6.4 A) | 2C<br>(12.8 A) | 2.6C<br>(16.7 A) |
|------------------|----------------|---------------|----------------|------------------|
| 20 hrs           | 2 hrs          | 60 min        | 29 min         | 24 min           |

### DIMENSIONS:

