

**Power Cell Key Characteristics**

Solid state electrolyte dramatically reduces thermal runaway caused by abuse.

- ✓ Super Fast Charging (0.5C)
- ✓ High Power Density

**Select More Power Cells by Key Characteristics:****• AX-01 Power Cell**

Solid state electrolyte.  
- Fast Charging (2C)  
- High Energy Density

**• AX-02 Power Cell**

Solid state electrolyte.  
- Super Fast Charging (4C)  
- High Power Density

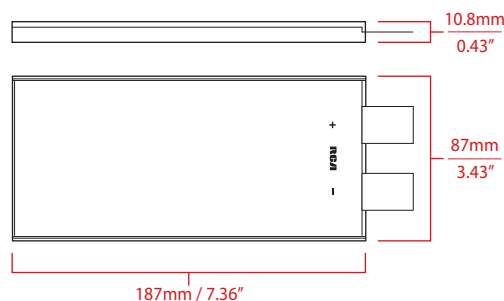
**• AX-02.5 Power Cell**

Solid state electrolyte within a smaller body.  
- Super Fast Charging (4C)  
- High Power Density

**• LiFePo Power Cell**

Lithium Ion power cell within a smaller body.  
- Super Fast Charging (4C)

<b>Nominal Capacity</b>	40Ah (0.5C)
<b>Nominal Voltage</b>	3.6V
<b>Charging Voltage</b>	4.2V
<b>Voltage Termination</b>	2.5V
<b>Charging Specifications</b>	
<b>Super Fast Charging</b>	2C (120A), 95%
<b>Fast Charging</b>	2C (62A) constant current (CC) charges to 4.2v, then constant voltage (CV) charging until the charging current is less than 0.02C (0.6A)
<b>Standard Charging</b>	1C (40A) constant current (CC) charges to 4.2v, then constant voltage (CV) charging until the charging current is less than 0.02C (0.6A)
<b>Discharging Specifications</b>	
<b>Pulse Discharging</b>	3C (durations < 10S)
<b>Continuous High Rate Discharging (Max)</b>	2C
<b>Standard Discharging</b>	1C
<b>Cycle Life</b>	1C/1C 2400 times 100% DOD with 80%SoH 1C/2C 1600 times 100% DOD with 80%SoH 2C/2C 1000 times 100% DOD with 80%SoH
<b>Operating Temperatures</b>	
<b>Charging Temperature</b>	-10°C to 0°C / 14°F to 32°F (0.1C Charging) 0°C to 60°C / 32°F to 140°F (1C Charging) 10°C to 45°C / 50°F to 113°F (2C Charging)
<b>Discharging Temperature</b>	-30°C to 60°C / -22°F to 140°F
<b>Internal Resistance</b>	1.1+/-0.5mΩ
<b>Weight</b>	400g +/-15g / ~0.88 lb
<b>Energy Density</b>	> 360Wh/kg (0.5C/0.5C)
<b>Volume Density</b>	> 700Wh/L
<b>Dimensions</b>	10.8 x 87 x 187mm / 0.43 x 3.43 x 7.36 in


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