

## XALT® 43 Ah High Power (SHP) Lithium Ion Cell



### High Power Cell Advantage

- Excellent Power & Energy Density
- Excellent Cycle & Calendar Life
- Excellent Specific Energy
- Low Heat Generation for Power Application
- Lightweight



#### Features

Great Reliability, Consistent High Quality and Robust Technology

- Proven chemistry with 15+ years in the field
- NMC-G chemistry
- Prismatic pouch style cell
- Larger surface area allows for better heat dissipation
- High tech. automated facility in Midland, MI

#### Applications

Ideal for High Power, Fast Charging/Discharging Applications

- Hybrid and fully electric vehicles that utilize fast charging along the route
- Marine dynamic positioning
- Peak shaving applications
- Grid frequency regulation

#### Performance Characteristics

Performance Characteristics	Typical
Capacity (Rated @ C/2)	43 Ah
Voltage (Nominal)	3.7V
Discharge Energy (C/2)	159 Wh
Weight	1.04 kg
Specific Energy	153 Wh/kg
Peak Discharge C-Rate* (10s @ 50% SoC)	12.0 C
Continuous Discharge C-Rate*	6.0 C
Continuous Charge C-Rate*	3.0 C

\*Cell performance will be affected by temperature, SOC, aging, etc.

#### Cycle Life

Cycle Life	Typical
100% DOD Cycles @ 1C charge-discharge	>5,000 cycles*
80% DOD Cycles @ 1C charge-discharge	>14,000 cycles*

\*Cycle life to 80% of rated capacity at 23°C room temperature with 10 min. step rest; 8 psi of compression

#### Operational Range

Operational Range	Typical
Upper Voltage Limit	4.2V
Lower Voltage Limit	2.7V
Charge Temperature Range*	0°C to 55°C
Discharge Temperature Range*	-20°C to 60°C

\*Cell performance will be affected by temperature, SOC, aging, etc.

#### Cell Dimensions LxWxT

Cell Dimensions LxWxT	225x225x10.3 Millimeters
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