

### Applications, Features & Benefits



- Designed for eye wear
- Ultra-high energy density
- Long cycle life
- Rugged cell architecture
- Compatible with standard lithium-ion battery safety circuits and battery management systems

### Cell Characteristics

#### Capacity<sup>1</sup>

Typical 295 mAh

#### Energy Density (typical)<sup>2</sup>

Volumetric 664 Wh/l

Gravimetric 234 Wh/kg

#### Cycle Life (minimum cycles)<sup>3</sup>

25°C to 80% capacity retention 500 cycles

45°C to 60% capacity retention 500 cycles

#### Cell Voltage

Charge cut-off 4.35 V

Discharge cut-off 2.70 V

Average discharge<sup>1</sup> 3.63 V

#### Energy

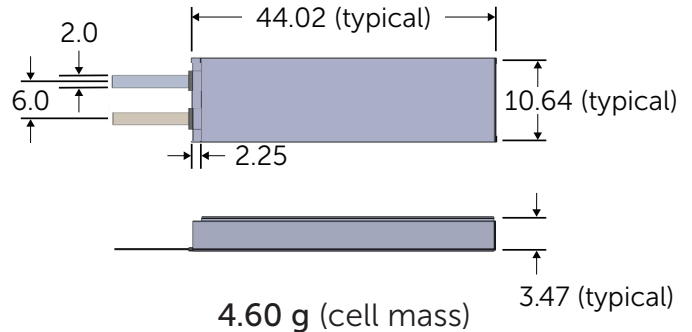
Typical 1.075 Wh

<sup>1</sup>Test condition: 0.1C discharge rate

<sup>2</sup>Test condition: Based on cell dimensions at 0% state of charge (SOC)

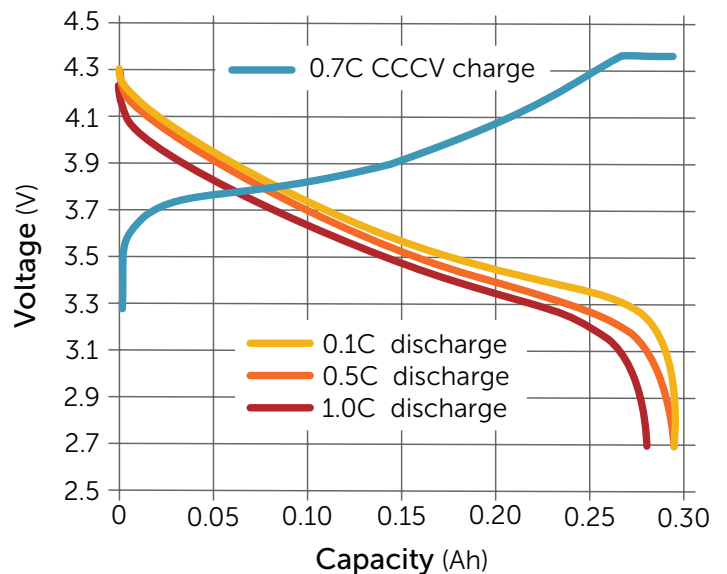
<sup>3</sup>Test condition: 0.7C charge to 4.35 V with 0.04C cutoff, 0.5C discharge to 2.7 V

### Cell Dimensions



All dimensions are millimeters (mm) at 0% state of charge (SOC)

### Charge & Discharge Profiles



#### Charge Conditions

Constant current (0.7C) 206 mA

Taper current cut-off (0.04C) 11.8 mA

#### Discharge Conditions

Continuous current (0.5C) 147.5 mA

The information on this Preliminary Cell Data Sheet is believed to be accurate, is typical of the product in production, and is not a guarantee of performance. Specifications and characteristics are subject to change without notice.

Contact Enovix at [sales@enovix.com](mailto:sales@enovix.com) for specific information regarding this cell.