

Applications, Features & Benefits



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

Cell Characteristics

Capacity¹

| | |
|---------|---------|
| Typical | 337 mAh |
|---------|---------|

Energy Density (typical)

| | |
|-------------|-----------|
| Volumetric | 722 Wh/l |
| Gravimetric | 259 Wh/kg |

Cycle Life (minimum cycles)²

| | |
|--------------------------------|------------|
| 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 ¹ | 3.62 V |

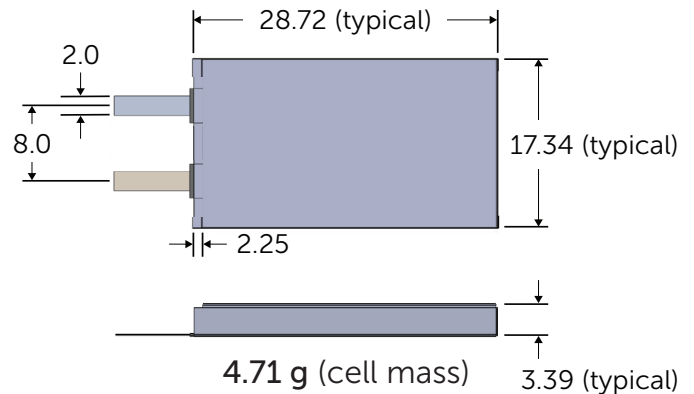
Energy

| | |
|---------|---------|
| Typical | 1.22 Wh |
|---------|---------|

¹Test condition: 0.1C discharge rate

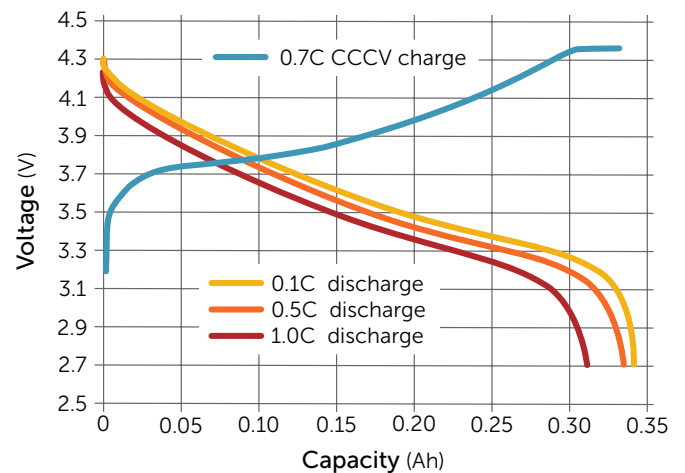
²Test condition: 0.7C charge to 4.35 V with 0.04C cutoff, 0.5C discharge to 2.7 V

Cell Dimensions



All dimensions are millimeters (mm)

Charge & Discharge Profiles



Charge Conditions

| | |
|-------------------------------|---------|
| Constant current (0.7C) | 236 mA |
| Taper current cut-off (0.04C) | 13.5 mA |

Discharge Conditions

| | |
|---------------------------|----------|
| Continuous current (0.5C) | 168.5 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 for specific information regarding this cell.