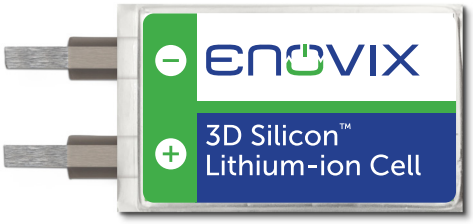
ENOVIX

3D Silicon™ Lithium-ion Rechargeable Cell

Preliminary Cell **Data Sheet**

Model **EX01-351829**

Applications, Features & Benefits



Designed for wearable devices

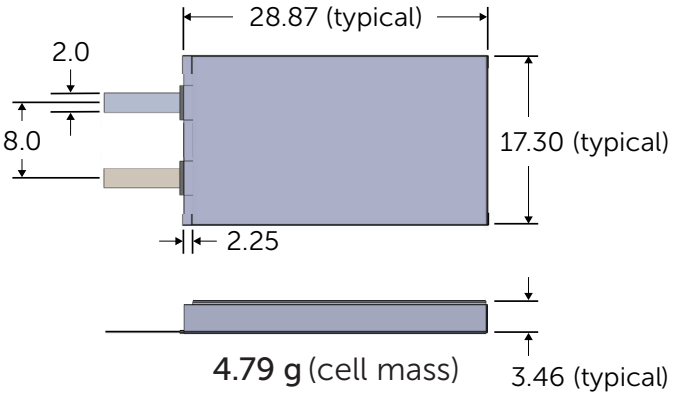
Ultra-high energy density

Long cycle life

Rugged cell architecture

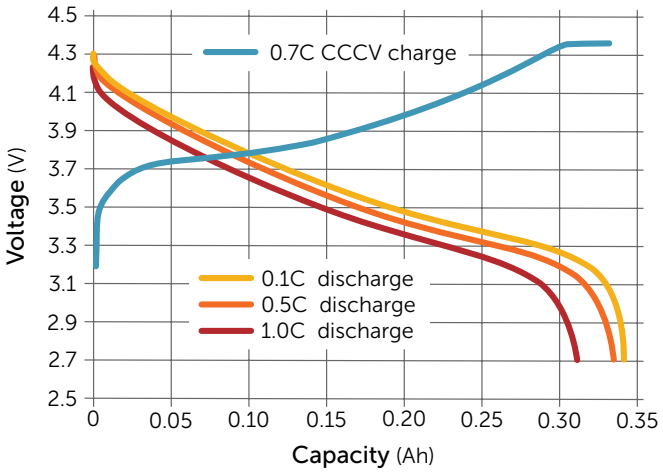
Compatible with standard lithium-ion battery safety circuits and battery management systems

Cell Dimensions



All dimensions are millimeters (mm) @ 0% SOC

Charge & Discharge Profiles



Cell Characteristics

Capacity[1]	
Typical	340 mAh
Energy Density (typical)	
Volumetric	714 Wh/l
Gravimetric	258 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]	3.63 V
Energy	
Typical	1.24 Wh

[1]**Test condition:** 0.1C discharge rate

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

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.