

EaglePicher SLC-028-01 Cell

Lithium-Ion (Li-Ion)
High-Energy Rechargeable



Features:

- Prismatic cell design
- Fully welded, hermetically-sealed construction
- Compression seals
- 175 ± 25 psi rupture disk vent

Benefits:

- High-reliability
- Low cyclic capacity fade
- Long calendar life

Applications:

- Aircraft Power Backup
- Low-Earth Orbit (LEO) satellite mission
- Mid-Earth Orbit (MEO) satellite mission
- Geosynchronous Earth Orbit (GEO) satellite mission
- Scientific and Exploratory satellite missions
- Launch vehicle

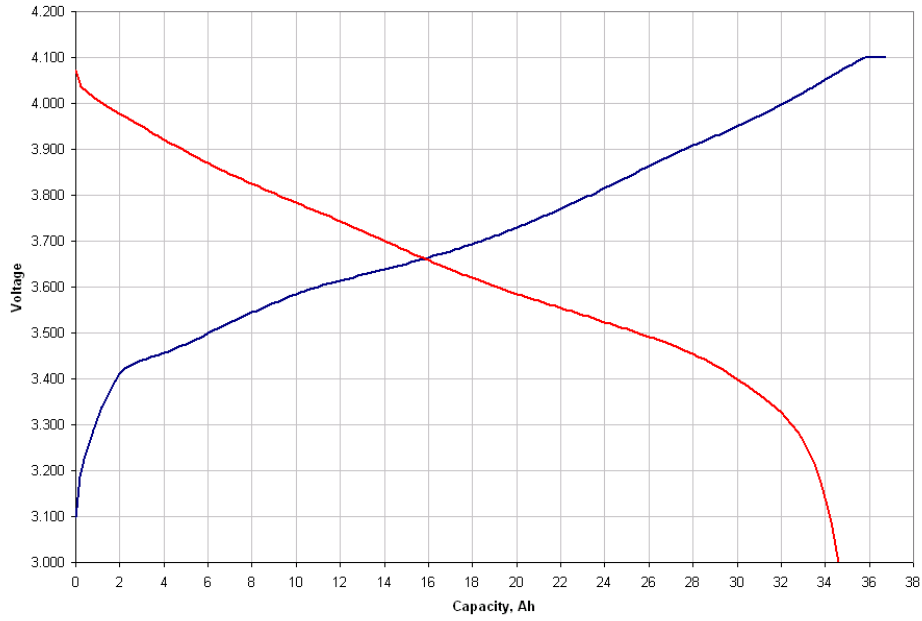
Specifications:

Part Number	SLC-028-01
Cell Design	Lithium-Ion Secondary Cell
Beginning of Life Capacity	34.5 Ah, 128 Wh at 20°C EOCV 4.2 CC/CV, C/2
Nameplate Capacity	30 Ah, 110 Wh at 20°C EOCV 4.2 CC/CV, C/2
Mass	1020 g, (2.24 lbs.)
Dimensions	125.4 x 101.8 x 38.4mm (4.94 x 4.00 x 1.51 in.)
Specific Energy	125.0 Wh/Kg
Energy Density	283.5 Wh/l
Storage Temperature	-5° to 5°C (23° to 41°F)
Operating Temperature	-10° to 50°C (14° to 122°F)
Charge Current Limit	32.5 A to 4.1 EOCV CC/CV
Discharge Current Limit	120 A to 3.0 EODV
Pulse Current Limit	240 A for 10 seconds
Vibration Limit	Random 24.7 Grms
Transportation	Class 9 Identification Number UN 3090*

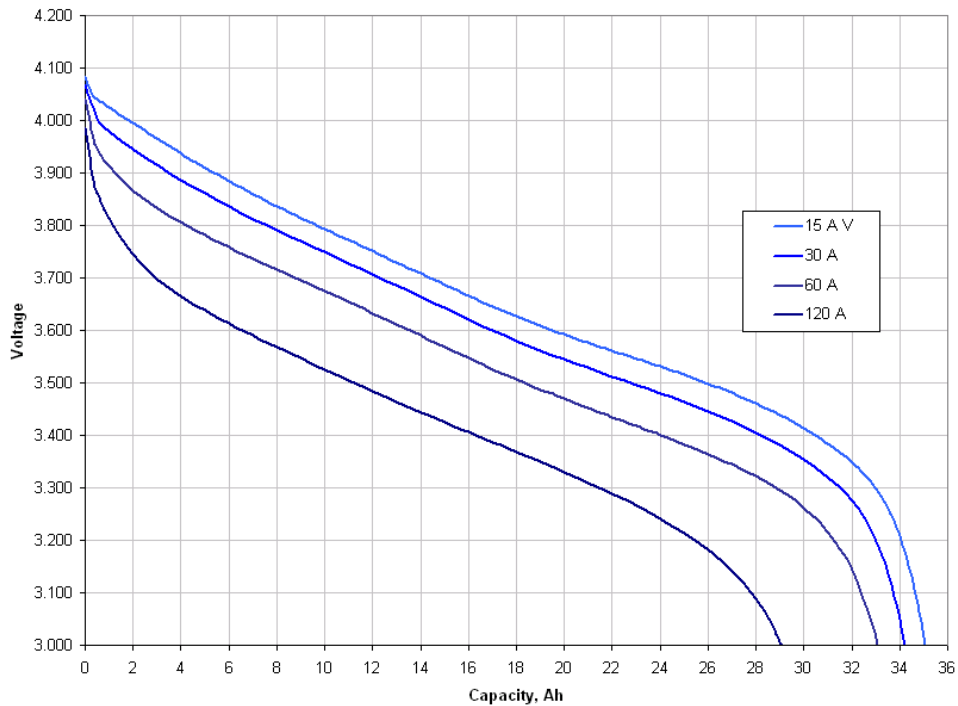
All performance values are typical.

* For complete transportation regulations, contact EaglePicher Technologies, LLC.

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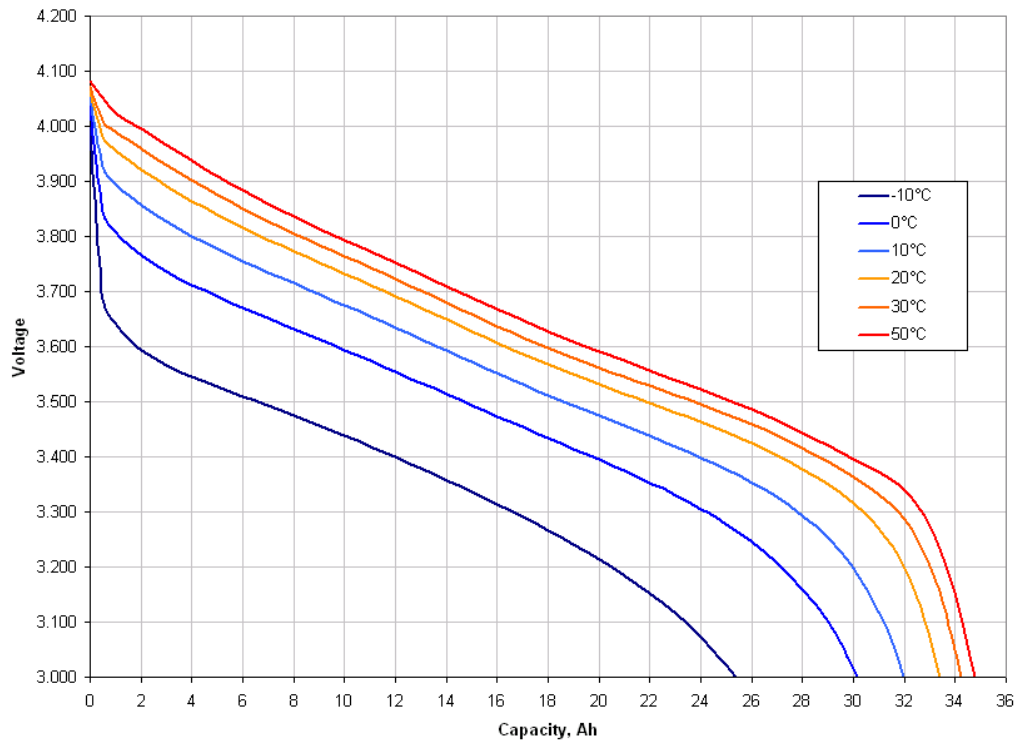


CHARGE/DISCHARGE VOLTAGE PROFILES

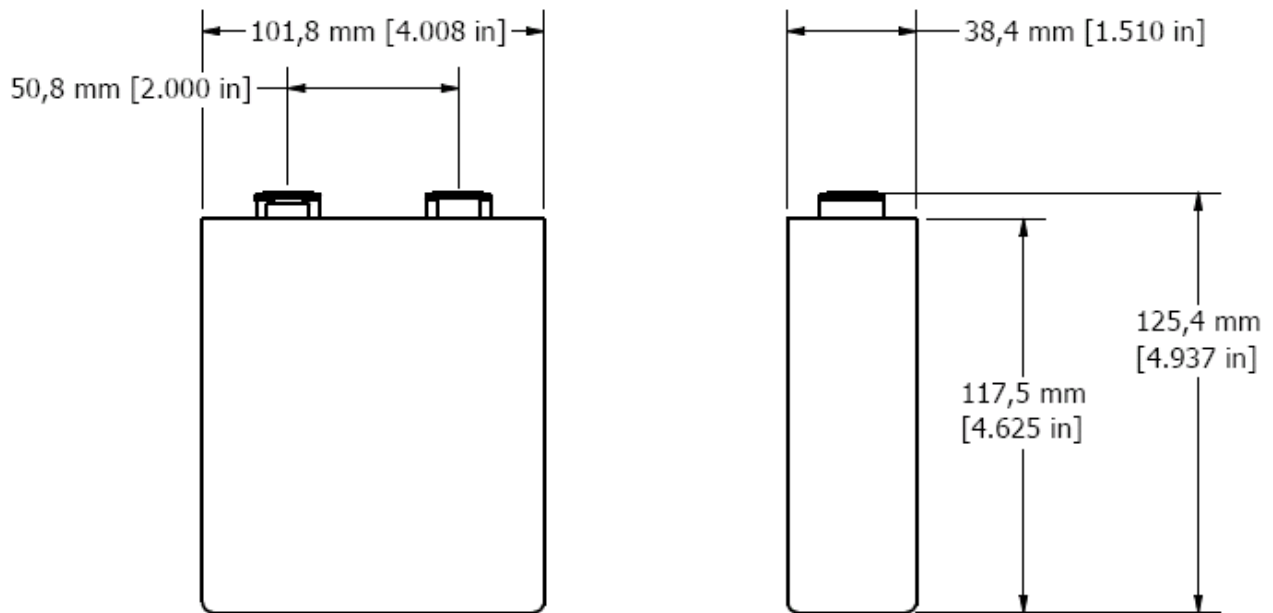


DISCHARGE RATE PROFILES

EaglePicher Li-Ion Cell SLC-028-01



DISCHARGE TEMPERATURE PROFILES



CELL DIMENSIONS