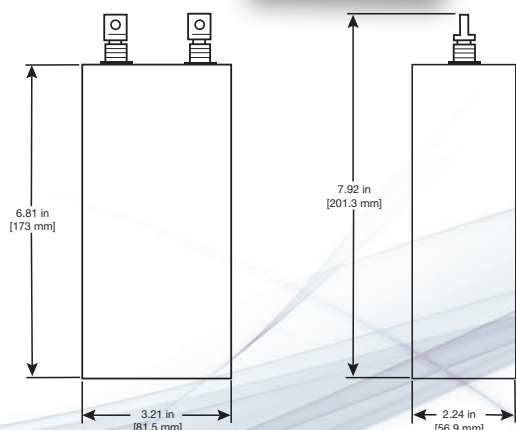


EaglePicher Space Cell

Lithium-Ion

Lithium-Ion provides higher energy levels at a lower weight and smaller volume than Ni-H₂ or Ni-Cd.



Features & Benefits

- ✦ Qualified for space flight
- ✦ Prismatic cell design
- ✦ Fully-welded, hermetically-sealed construction
- ✦ Compression seals
- ✦ 175 ± 20 psi rupture disk vent
- ✦ High energy density
- ✦ Highly reliable
- ✦ Low cyclic capacity fade
- ✦ Long calendar life
- ✦ Stainless steel case and cover

Specifications

Part Number	SLC-16050
Cell Design	Lithium-Ion Secondary Cell
Electrical	
Beginning of Life Capacity	62.5 Ah, 245 Wh at 20°C EOCV 4.1 CC/CV, C/2
Nameplate Capacity	52 Ah, 204 Wh at 20°C EOCV 4.1 CC/CV, C/2
Charge Current Limit	31.25A to 4.1 EOCV CC/CV
Discharge Current Limit	62.5A to 3.0 EODV
Pulse Current Limit	125A for 10 seconds
Mechanical	
Weight	2020 g/4.44 lb
Specific Energy	121.3 Whr/kg
Energy Density	305.4 Wh/l
Dimensions (less terminal)	173 x 81.5 x 56.9 mm (6.81 x 3.21 x 2.24 in)
Storage Temperature	-5°C to 5°C (23°F to 41°F)
Operating Temperature	10°C to 30°C (50°F to 86°F)
Vibration Limit	Random 24.7 g
Transportation	Class 9 ID number – UN3090*

*For complete transportation regulations, contact EaglePicher Technologies, LLC

Applications

- ✦ 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

SLC-16050

