



72 Ah Space Cell



Rechargeable Lithium-Ion Cell

Features and 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

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 vehicles

Providing high energy levels at a low weight

Specifications	
Part Number	SCL-21060-003
Weight	1974 g (4.35 lb)
Height	173 mm (6.8 in.)
Diameter (less terminal)	Width: 82 mm (3.2 in.)
	Height: 173 mm (6.8 in.)
	Depth: 58 mm (2.3 in.)
Beginning of Life Capacity ¹	72 Ah, 260 Wh
Nameplate Capacity ¹	70 Ah, 256 Wh
Specific Energy	131.7 Whr/kg
Energy Density	324.1 Wh/L
Charge Current Limit	36 A to 4.1
Discharge Current Limit	72 A to 3.0
Plus Current Limit	144 A for 10 seconds
Operating Temperature	10 to 30°C (50 to 86°F)
Storage Temperature	-5 to 5°C (23 to 41°F)
Vibration Limit	Random 24.7 g
Transportation ²	Class 9 ID number - UN3090

¹ At 20°C (68°F) EOCV 4.1 CC/CV, C/2 discharge
² For complete transportation regulations, contact EaglePicher

72 Ah Space Cell

