

Oil&Gas – Pigging/Ocean Equipment

MODEL : SC-D01(PIG-D) PN : 34-59-H100G



ISO 9001 : 2008
ISO 14001 : 2004
MSDS, RoHS, UN, ATEX

Characteristics

- 3.9V D-Size Lithium Sulfuryl Chloride Cell(Li-SO₂Cl₂)
- High Rate Capability
- 100°C Operational Temperature

Key Features

- 304L stainless steel structure
- Non-bulge design
- Hermetic glass-to-metal seal engineered for leak free operation
- Integral safety fuse and parallel diode to protect from short circuits and guarantee continued pack operation
- Electrode Surface Area, high rate capability & lower self-discharge

Benefits

- Competitive capacity
- High rate capability for high constant current and pulse applications
- Automated assembly for uniform performance
- Certified shock and vibration testing to ensure trouble free operation under severe conditions in process

Technical Support

- We pledge our full support to provide you with the service you deserve
- Application Analysis
- Testing and Test Reports
- Analysis of field problems and reports
- Engineering support for custom applications

Abuse and Transport Certifications

- UN/DOT Certified : Class 9 Transport, UN3090 Lithium Metal Batteries
- Shock Testing : To be determined
- Vibration Testing : To be determined

Cell Characteristics

Nominal Capacity	12Ah ~ 15Ah
Based on 280mA discharge at temperatures of 25~100°C to a 2.0V cutoff. Discharge at higher currents or lower temperatures will affect capacity obtained.	
Open Circuit Voltage At 20°C	3.91V
Nominal Closed Circuit Voltage	3.4V
Based on stable CCV produced at 25°C under a 200mA load. The CCV of a cell will decay slightly over discharge due to the normal increase in internal impedance	
Constant Current Discharge	280mA
Maximum Constant Current Rate	1000mA(reduced capacity)
Storage Conditions	30°C (86°F) Max
Operational Temperature Range	-20°C to 100°C
Note full capacity is obtained at temperatures of 25°C and above. Below 25°C both the rate capability and the capacity of the cell are reduced.	
Fuse	4.0A
Parallel Diode	3.0A

Physical Characteristics

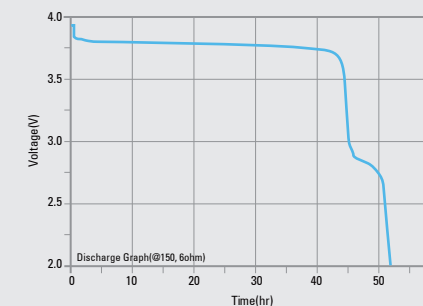
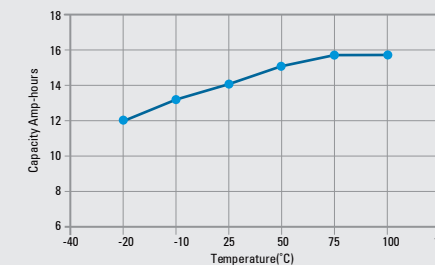
Diameter	33.6mm(1.32 in)
Height	60.3mm(2.37 in)
Weight	122g
Lithium Metal Content	4.7g

Packing Information

Packing Qty per C/T	80
Net Weight per C/T(Kg)	9.76
Gross Weight per C/T(Kg)	10.76
C/T Size	450mm×250mm×230mm

Temperature versus Capacity

Discharge Temperature vs. Nominal Capacity
12Ω Discharge -20 to 100°C



Storage

- Store cells in a cool(<30°C) and dry location

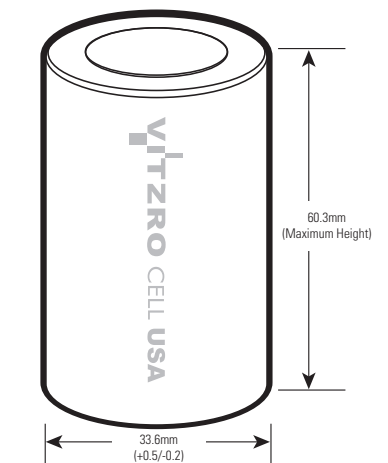
Warning

- Contents of this hermetically sealed cell are water reactive and will produce flammable and toxic gases if exposed to water.
- Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 100°C(212°F), incinerate, short circuit or expose contents to water. Keep battery out of reach of children and in original package until ready to use.
- Dispose of used batteries promptly.

Note

- Any information given here is for reference only. Information is also dependent on actual conditions and does not guaranty future performance. And subject to change.

External Dimensions



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