

Oil&Gas – Pigging/Ocean Equipment

MODEL : SC-DD01(PIG-DD) PN : 34-111-H100G



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

Characteristics

- 3.9V DD-Size Lithium Sulfuryl Chloride Cell(Li-SO₂Cl₂)
- High Rate Capability
- High Capacity
- 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
- 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 : Completed
- Vibration Testing : Completed

Cell Characteristics

Nominal Capacity	27Ah ~ 32Ah
<small>Based on 580mA discharge at temperatures of 25~100°C to a 2.0V cutoff. Discharge at higher currents or lower temperatures will affect capacity obtained.</small>	
Open Circuit Voltage	3.91V
<small>At 20°C</small>	
Nominal Closed Circuit Voltage	3.4V
<small>Based on stable CCV produced at 25°C under a 425mA load. The CCV of a cell will decay slightly over discharge due to the normal increase in internal impedance.</small>	
Constant Current Discharge	580mA
Maximum Constant Current Rate	2000mA(reduced capacity)
Storage Conditions	30°C (86°F) Max
Operational Temperature Range	-20°C to 100°C
<small>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.</small>	
Fuse	7.0A
Parallel Diode	3.0A

Physical Characteristics

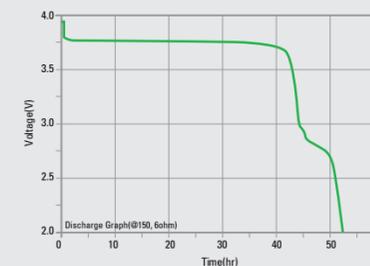
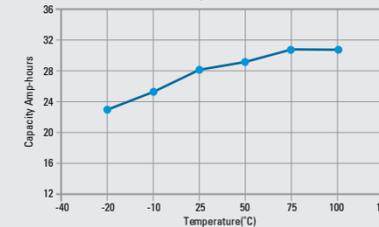
Diameter	33.6mm(1.32 in)
Height	112.3mm(4.42 in)
Weight	213g
Lithium Metal Content	9.6g

Packing Information

Packing Qty per C/T	64
Net Weight per C/T(Kg)	13.63
Gross Weight per C/T(Kg)	14.73
C/T Size	427mm×302mm×210mm

Temperature versus Capacity

Discharge Temperature vs. Nominal Capacity
6Ω Discharge -20 to 100°C



Storage

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

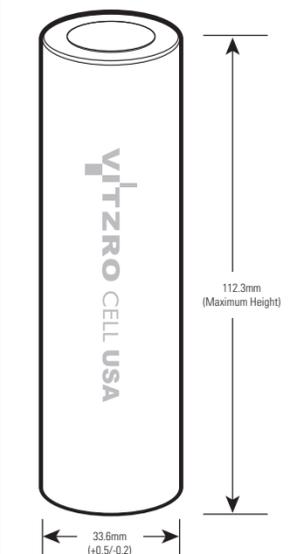
Warning

- 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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