



Lithium Thionyl Chloride Battery Implantation Type



Capabilities

High energy density
Low rate discharge for primary batteries
with a good shelf life

Key Feature

- High energy density, and the ability of pulses;
- Self-discharge rate, long service life;
- Stable discharge voltage, 37°C under the current output is stable;
- Fully sealed, no leakage, no radiation, good safety performance;

Main Applications

- Implantable electrical nerve stimulation device
- Implantable cardiac pacemakers
- Implantable nerve monitoring system



Nominal Capacity (350mAh to 8Ah)

Chemistry	SOCl ₂
Case Material	Titanium or Stainless
Shape	Prismatic or D-Shaped
Internal Configuration	Bobbin or Elliptical Wound
Volume (CC)	1.66 to 24
Weight	5.0g to 55g

Electrochemical Features

Construction	Hermetic cell
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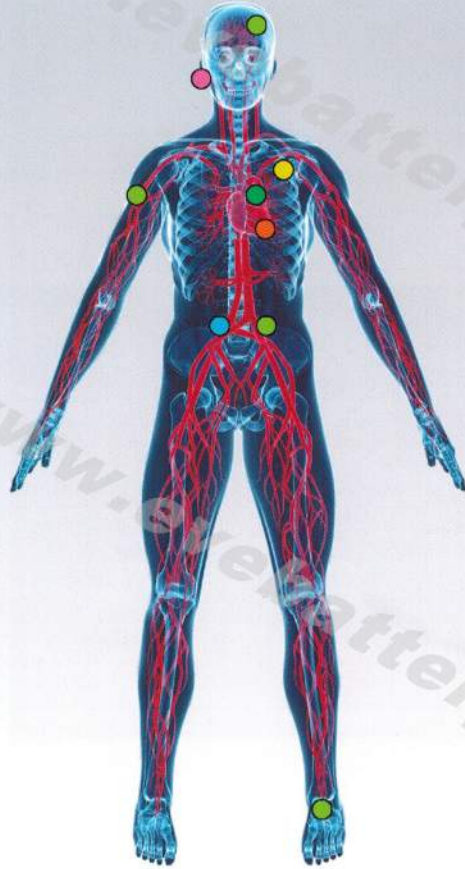
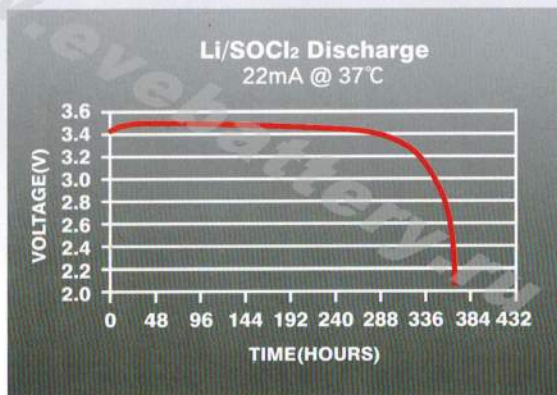
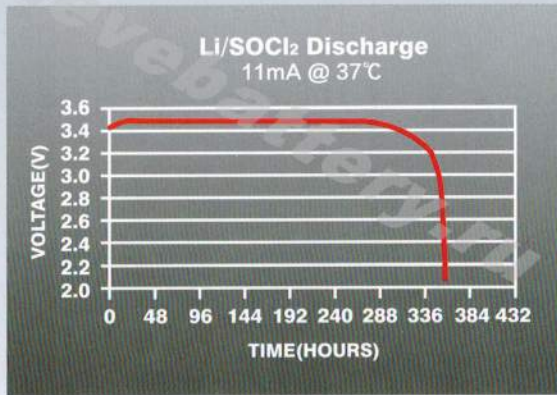
※Latest version can be downloaded from EVE website at www.evebattery.com

Cell Operating Parameters

Open Circuit Voltage	3.6
Nominal Running Voltage	3.5 (C/350)
Min. discharge voltage	3.0
Self Discharge Rate: measured at 20°C	<2% per year
Energy Density (Wh/l)	800 to 1,000

Typical Applications

Neurostimulation
Drug Pumps and Body Fluid Pumps
Monitors



WARNING:

Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 165°C, incinerate, or expose contents to water.

Note: Any representations in this data sheet concerning performance are for informational purpose only and are not construed as warranties, either expressed or implied, of future performance.

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