FU-PL-ER34615M

Lithium-thionyl Chloride (Li-$SOCl_2$) Battery

AVAILABLE TERMINATIONS

- Suffix-/S - Standard
- Suffix-/T - Solder Tabs
- Suffix-/W - Flying Leads

Electrical characteristics

Nominal capacity	13.0Ah	Typical values fol cells stored for one year or less, at 25ºC
Nominal voltage	3.6V	At 4.0 mA, +25ºC, 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off voltage
Maximum recommended continuous current	2000mA	To get 50% of the nominal capacity at +25ºC with 2.0V cut off. Higher currents possible, consult FULLWAT
Pulse capabillity	Typically up to 300mA. 300mA/0.1 second pulses, drained every 2 mins at 25ºC from undischargied cells with 10µA base current, yield voltage readings above 3.0V. The readings may vary acording to the pulse characteristics, the temperature, and the cell's previous history. Fitting cell with a capacitor may be reccomended in severe conditions Consult FULLWAT	
Storage	30ºC	Recomended. For more severe condition consult FULLWAT)
Operating temperature range	-60ºC/+85ºC	Operation at temperature different from ambient may lead to reduced capacity and lower voltage plateau readings
Typical weight	110g	

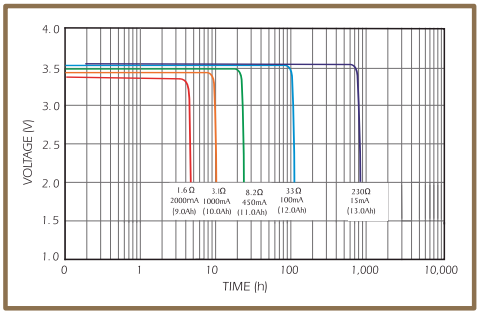
WARNING
Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 100ºC, incinerate, or expose contents to water.

MAIN APPLICATION
Utility metering
Alarms and security devices
Memory back-up
Tracking sistems
Automotive electronics
Professional electronics
etc.

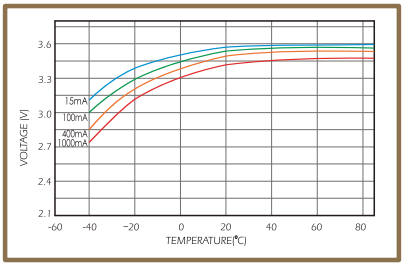
BENEFITS
High voltage response
Wide operating temperture range -60~85ºC
High minimum voltage during pulsing
Excellent low temperature performance
Finish with fuse (3.5A)
Built-in safety vent

KEY FEATURES
Low seff discharge rate (less than 1% alter 1 year of storage at +25ºC)
Stainless steel container
Hermetic glass-to-metal sealing
Non-flammable electrolyte
Non-restricted for transport
Compliant with IEC 86-4 safety standard and EN 50020

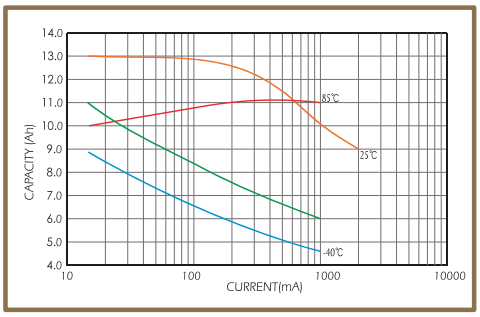
Discharge characteristics +25ºC



Voltage vs. temperature



Capacity vs. current



Storage Characteristics