



**ER34615/SPC1550**

**ELECTRICAL CHARACTERISTICS**

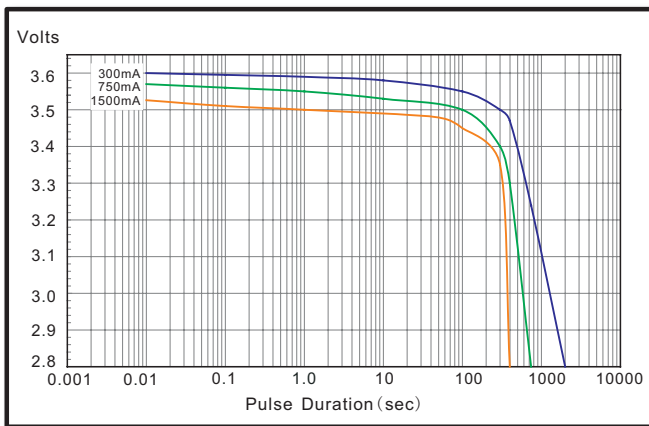
(typical values for batteries stored for one year or less, at +25°C)

■ Nominal capacity(@0.5A @1% duty cycle.)	19Ah
■ Nominal voltage	3.6V
■ Maximum 1 second pulse to 3.0V	3A
■ Maximum pulse length @ 0.5A to 2.8V	1000sec
■ Delay time to 3.0V @ 0.5A	No Delay
■ Operating temperature range	-40°C / +85°C
■ Weight	140g
■ Capacity retention after 10 years	96%

**High-Pulse**

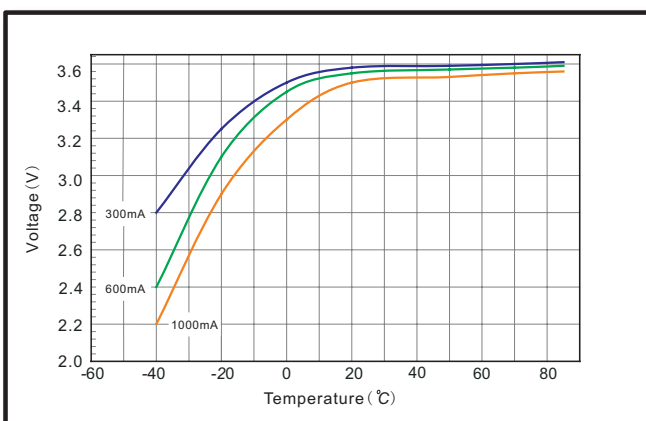
- HIGH ENERGY
- UP TO 3A PULSE CAPABILITY
- INSTANT VOLTAGE RESPONSE
- NO PASSIVATION EFFECT

**1. VOLTAGE VS. PULSE DURATION**

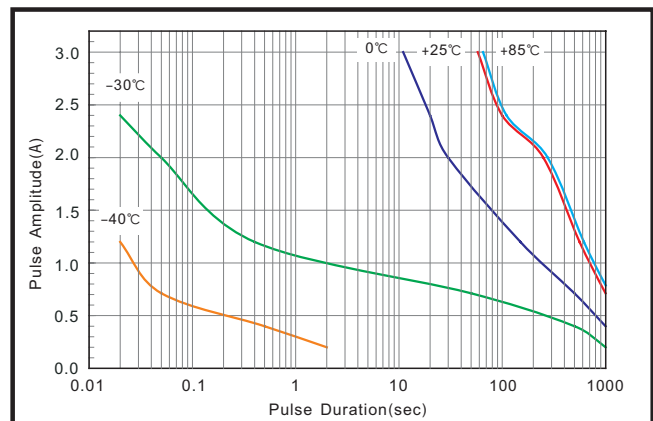


See dimension on the next page

**2. Min. Voltage vs. Temp. for 1 sec Pulse**



**3. Max. Pulse Width to Min. Voltage of 2.8V**

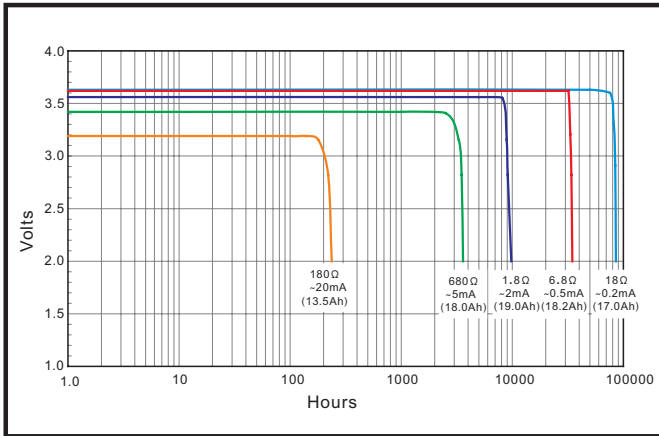


**WARNING:**

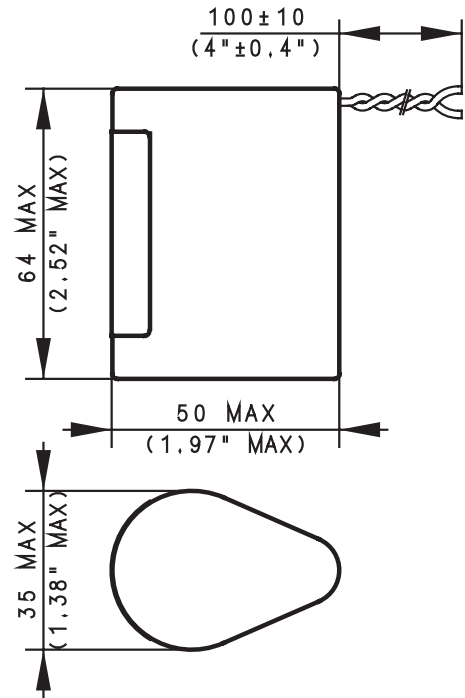
*Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 100°C, incinerate, or expose contents to water.*

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

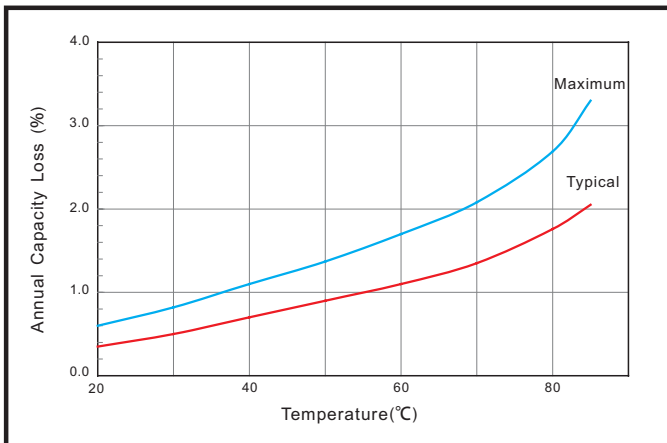
#### 4. DISCHARGE CHARACTERISTICS@+25°C



**High-Pulse**

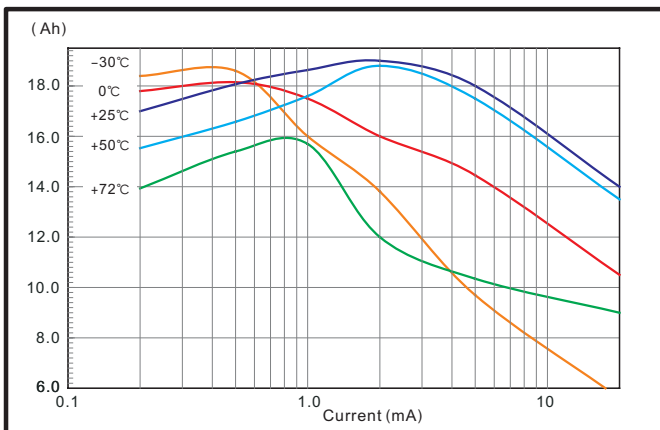


#### 5. Self Discharge vs. Temperature

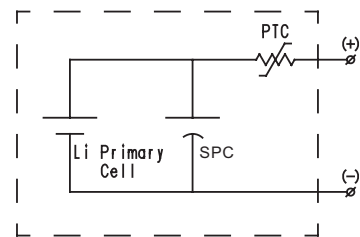


Note: For best performance battery should be mounted in the application in upright or horizontal position.

#### 4. Capacity vs. Current



The battery is designed specifically for applications requiring low background currents combined with high current pulses. The High Pulses battery combines the inherent benefits of bobbin type Lithium Thionyl Chloride cell with a novel hermetically sealed Super Pulses Capacitor (SPC). The addition of the SPC enhances the performance of the Lithium Thionyl Chloride cell to meet large pulse current requirements, thus providing greater performance and safety in comparison to jellyroll construction (spirally wound) type batteries.



\*The PTC is optional and not necessary in many cases.

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Latest version can be downloaded from the EVE website

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