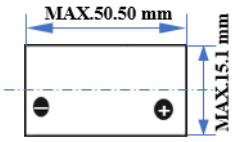
# SPC1550A
# Super Pulse Battery Capacitor




International size reference: SPC1550A

## Technical data

- Nominal capacity: 170 mAh@3.67 V (1103 F@3.67 V )
- Nominal voltage: 3.6 V
- Discharge end Voltage: 2.5 V (discharge below 2.5 V at RT or discharge below 2.0 V at -40℃ may increase the internal impedance)
- Maximum discharge current (RT):
  Continuous: 2.0 A ; Pulse: 5.0 A
- Standard charge voltage: 3.67 V
- Max. charge voltage: 3.95 V
- Max. charge current: 100 mA
- Operating temperature range: -40℃ ~ +85℃
- Storage temperature range : -30℃ ~ +45℃
- Internal impedance: ≤80 mΩ (RT@1 kHz)

## Safety tests

The SPC successfully passed the following tests:

- Short circuit at RT and 55℃
- Compression
- Impact
- Overcharge
- Shock and Vibration
- Nail penetration
- Forced discharge
- High temperature exposure

## Application

- Intelligent meter
- Automotive Electronics
- Internet of things
- Household electricity meter
- Alert/Safety equipment

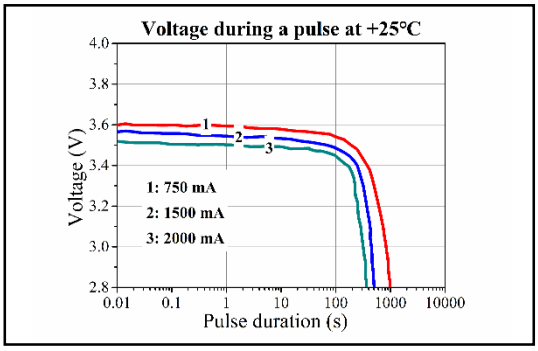
## Features & Benefits

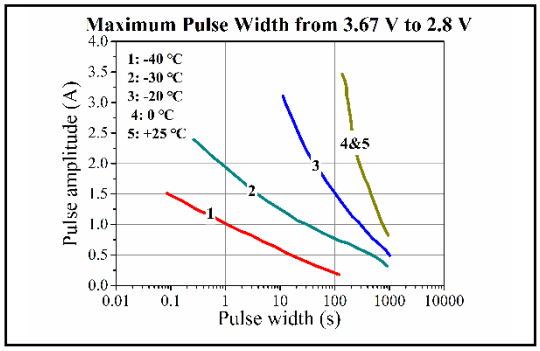
- Fast charge
- Long operating life
- Wide operating temperature range
- Extremely low self discharge
- High safety and reliability
- Lower DC impedance
- Delivering high current pulses up to 10 C at extremely temperature

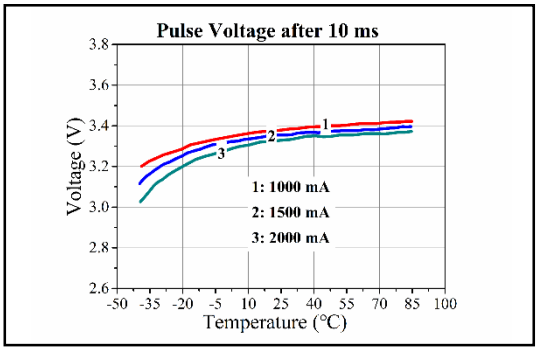
## Warning

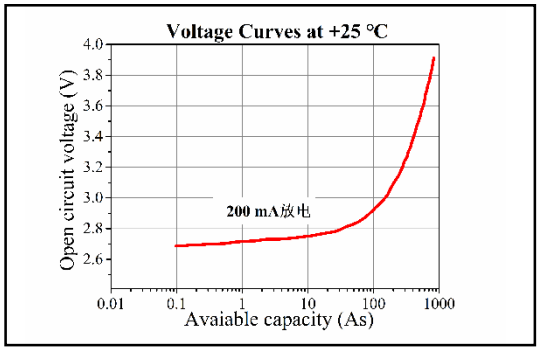
- The SPC1550A is designed for use in a ER+SPC battery system or in low charge current as specified only.
- Do not charge the SPC1550A above 4.1V, discharge below 2.0V, short circuit, heat above 100℃ or exposed directly to water.
- Charging the SPC1550A at above 3.95 V may lead to capacity loss and internal impedance rise.

## Discharge characteristic




ATTENTION:
Any discharge data in this document are all vertical discharge. Other conditions, consult EVE.
The above data comes from EVE's laboratory, any representations in this document concerning performance are for informational purpose only.
EVE Energy Co.,Ltd reserves the right to interpret this data.

Official website

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