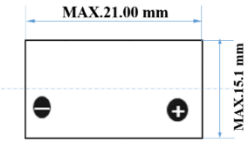
SPC1520A
Super Pulse Battery Capacitor



International size reference: SPC1520A

Technical data

- Nominal capacity: 45 mAh@3.67 V(292 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 internal impedance)
- Maximum discharge current (RT):

  Continuous: 500 mA Pulse: 2.0 A
- Standard charge voltage: 3.67 V
- Max. charge voltage: 3.95 V
- Max. charge current: 25 mA
- Operating temperature range: -40℃ ~ +85℃
- Storage temperature range: -30℃ ~ +45℃
- Internal impedance: ≤160 mΩ (RT@1 kHz)

Safety tests

The SPC successfully passed the following tests:

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

Application

- Intelligent meter
- Automotive electronics
- Internet of things
- Household electricity meter
- ETC
- Alert/safety equipment

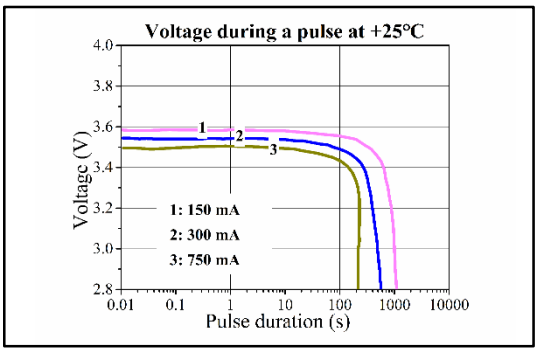
Features & Benefits

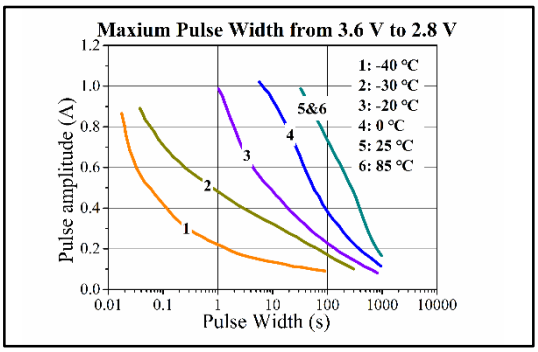
- Fast charge
- Long operating life
- Wide operating temperature range
- Extremely low self discharge
- High safety and reliability
- Extremely lower DC impedance
- Delivering high current pulses up to 10 C at extremely temperature

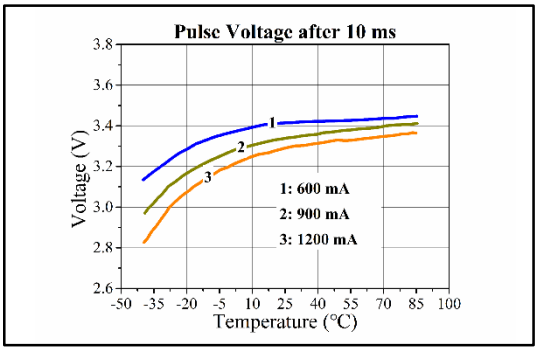
Warning

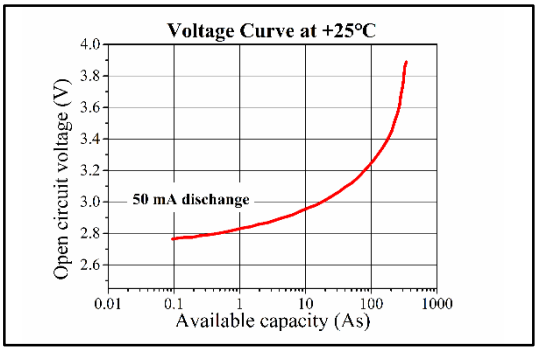
- The SPC1520A is designed for use in a ER+SPC battery system or in low charge current as specified only.
- The SPC1520A may explode or violently vent if over-charge above 4.4 V.
- Do not charge the SPC1520A higher than 4.1 V, over discharge, short circuit, heat above 100℃ , incinerate or expose content to water.
- Charging the SPC1520A 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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