

## 3.6V Li-SOCl<sub>2</sub> Battery with HPC ER26500+HPC1550-LC

### FOR HIGH PULSE CURRENT

#### ER26500 Electrical characteristics

##### Nominal capacity

At 23±2°C discharge at constant current 3.0mA until 2.0V cut off, Battery capacity depending on temperature and discharge currents and cutoff voltage changes. **8500mAh**

##### Nominal voltage

Micro-current discharge platform voltage reference values has to do with battery chemistry system and has nothing to do with the battery model. **3.6V**

##### Open circuit voltage

The voltage between positive and negative while the current is open. **≥3.65V**

##### Maximum continuous current

At 23±2°C the battery can discharge at least the max continuous discharge value which rated capacity 50% can permit. **130mA**

##### Maximum pulse discharge current

At 23±2°C, battery discharge duration for 3 seconds and stand 27 seconds, it can discharge at least the max pulse discharge value which rated capacity 50% can permit. **300mA**

##### Storage condition

Stored the battery under recommends condition to make sure effectively battery's performance, the storage temperature or humidity too high will increase battery's self-discharge rate and reduce battery's storage life. **≤30°C**  
**≤75%RH**

##### Operating temperature

Exceed the operating temperature range could lead to battery operating voltage reduction or even a security risk. **-55~+85°C**

##### Outline dimension

Finished Single cells' standard size **26.2×50.5mm**

##### Weight

Finished Single cells' max weight **55.0g**

##### Self-discharge rate

Out of the recommended condition, the self-discharge rate may increase. **1%**

#### Key features



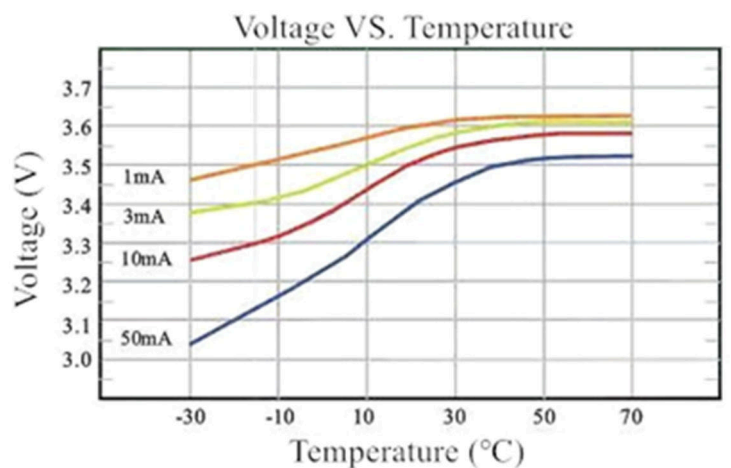
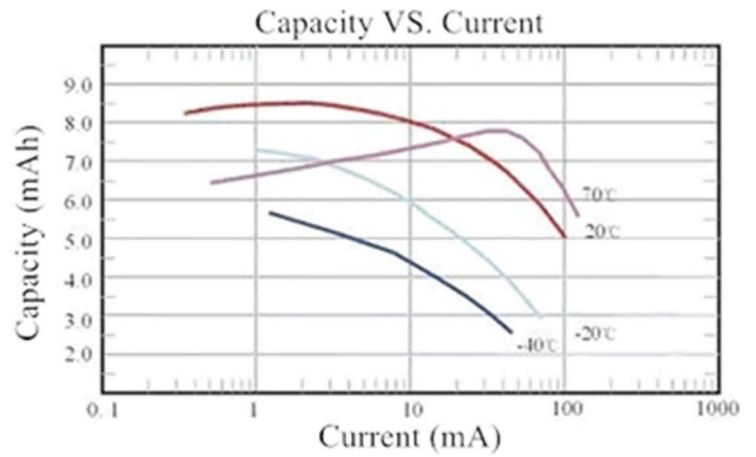
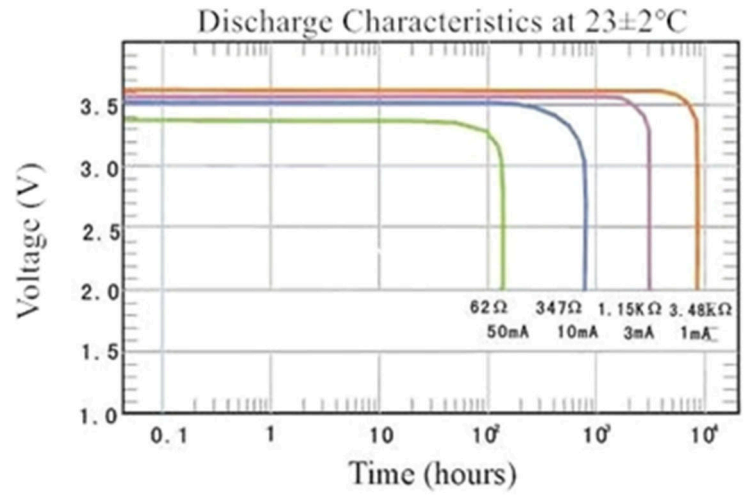
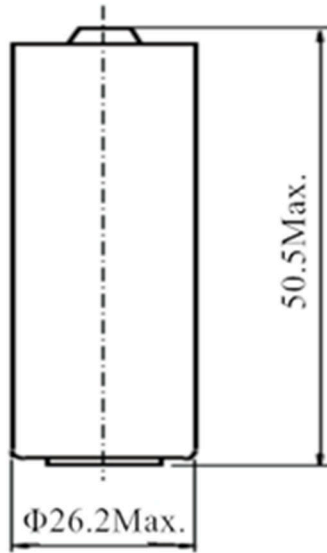
- High Energy Density
- High single cell voltage
- Light weight
- High security
- Stable operating voltage
- Wide Operating temperature range
- Low Self-discharge rate
- UN38.3 and ROHS Compliance

#### Main applications



- Intelligent instruments
- Safe alarm system
- Signal lights and the post indicator transfer
- back-up record power
- Medical equipment
- Wireless and other military equipment
- Active RFID
- Tyre pressure testing system
- GPS system

## ER26500 Dimension



### Warning



- Do not connect the positive and negative terminals of the battery.
- Do not place battery into fire
- Do not weld directly battery long time.
- Do not recharge battery.
- Do not force-discharge.
- Do not combine batteries in series or parallel by oneself.
- Do not reverse the positive and negative terminals
- Do not swallow.
- Do not discard.
- Stop immediately use it when serious heating or leakage.
- Before using our products, please read the manual Carefully or contact our Technician.

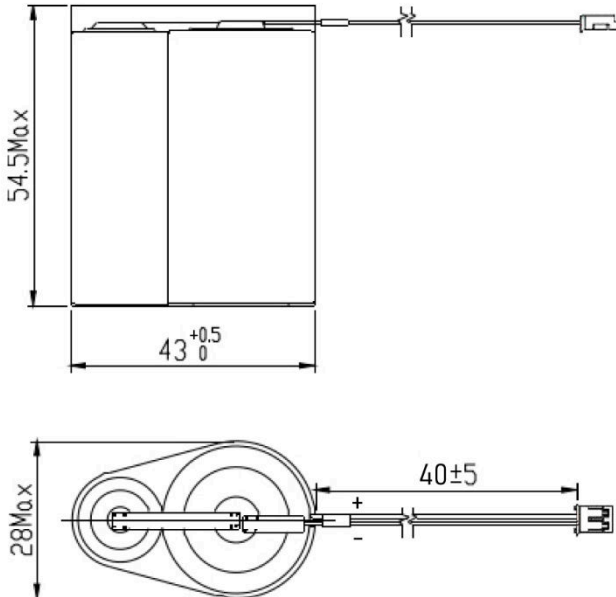
## ER26500+HPC1550

### Electrical characteristics

(23±2°C)

Capacity to 2.5V (@500mA@1% duty cycle)	8500mAh
Nominal voltage	3.6V
Maximum 1 second pulse to 2.5V	3000mA
Maximum pulse length @500mA to 2.5V	1000sec
Delay time to 3.0V @ 500mA	no delay
Weight	100g
Operating temperature range	-40~+85°C
Capacity retention after 10 years	93%

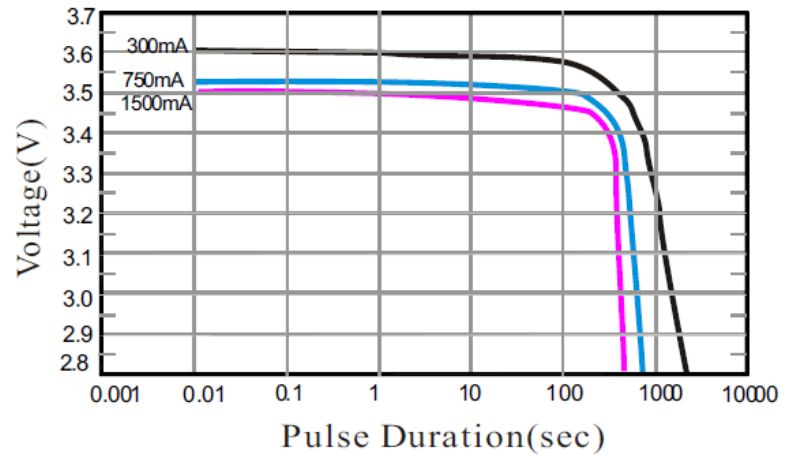
### Battery Pack Dimension



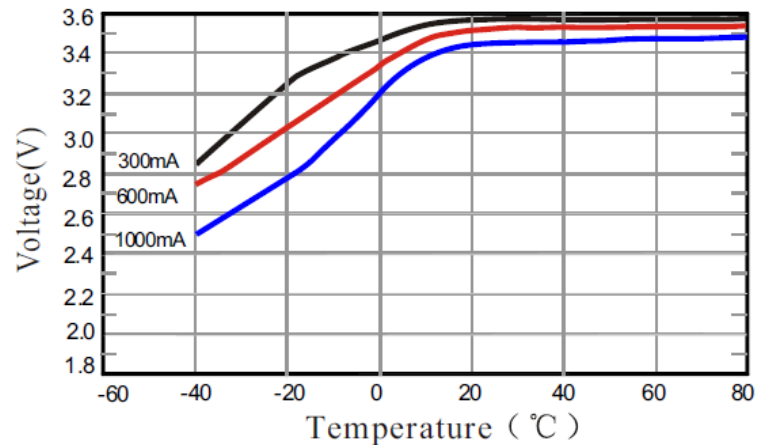
Connector: JST-PHR-2

PIN1: Red (+), PIN2: Black (-)

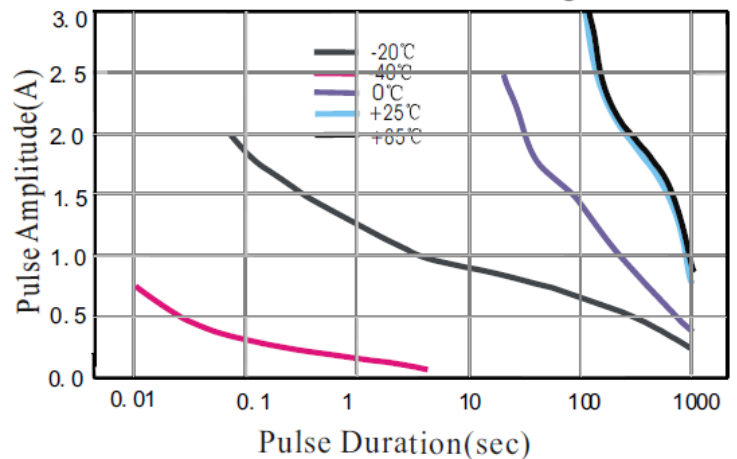
Voltage vs pulse duration



Min. Voltage VS Temperature for 1 sec Pulse



Max. Pulse Width to Min. Voltage of 2.8V



Please consult with Akku Tronics for further information.