



SE-2850

REF SE2850ICP11

This SE-2850 battery is rechargeable lithium-ion, engineered and designed for use in a world wide tactical environment, and is manufactured to meet and exceed Indian military standard JSS-55555 and ISO-9000 methods and procedures. This battery meets the requirements of JSS 6140-03 : 2013 and MIL-PRF-32052 with reference to MIL-STD-810E and MIL-STD-461.

Benefits

- Wide operating temperature range
- Durable high impact ABS case, UL94V-0
- High energy density cells
- Built in protection circuitry

Key Features

- Standard power battery, 14Wh
- Robust molded plastic case

Typical Applications

- Rugged, portable electronics
- Military communication device
- Surveillance equipment
- Remote control electronics
- Secure VHF Radio, LVP-285
- Secure UHF Radio, LUP-291
- Hand Held SDR - UHF
- Hand Held Satcom terminal



Rechargeable Li-ion Battery
7.2V 2.0Ah, 14.40Wh

Compliance

- JSS-55555
- JSS-6140-03 : 2013
- MIL-STD-810E
- MIL-STD-32052

Approvals

- ISO 9001:2015
- ISO 13485:2016
- Safety Datasheet
- UL-1642 (cells)

Technical Specification:-

Model Number	SE-2850
Part Number	SE2850ICP11
Capacity (typ.)	2.0 AH
Nom. Voltage	7.4 Volt
Max. Voltage	8.4 Volt
Max. Discharge Current (cont.)	4.0 A
Max. Discharge Current (pulse)	4.0 A for 10 Sec.
CAT P/N.	Z9/ 6140-005209
Life Cycle	1000 cycles at 25°C
Communication	None
Recommended charge	Constant current at C/2, 1.0A with 16.8V limit, End with timer or when current drops below 0.1A

Physical Characteristics

Dimensions (L x W x H)	55 x 36.5 x 46 mm
Weight	105 gm ± 0.05gm
Weight energy density	127 Wh/Kg
Connector	Flat 5.0mm
Battery Housing	Plastic UL94V-0
Color	Olive drab / Black

Manufactured by : **SEALED ENERGY SYSTEMS**



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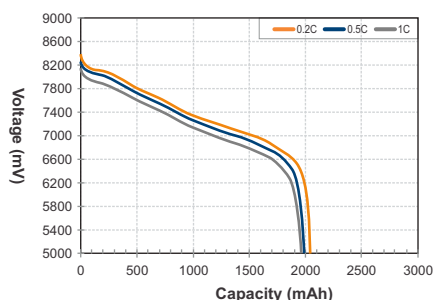


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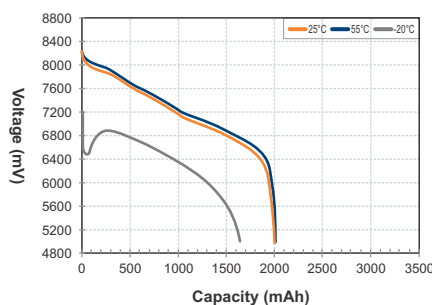


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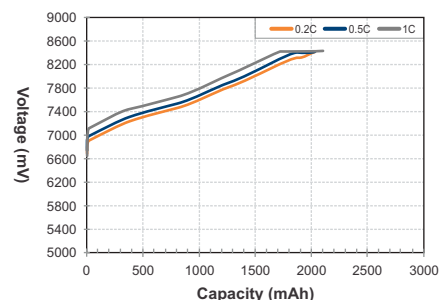
Rate discharge curve@ 25°C



Discharge curve at different temperatures



Rate charge curve@ 25°C



Protection

- Over current / short circuit
- Over charge / over discharge
- Over heating
- Charging at over temperature range
- Reverse polarity

Smart Functions

- Cell balancing

Operating Temperature

- Charge -20°C to +55°C
- Discharge -20°C to +55°C
- Storage -20°C to +55°C
- Humidity at 0 to 95%

Storage

- Allowable: -20 to +55°C
- Recommended: +20 to +40°C
- Humidity at 0 to 95%

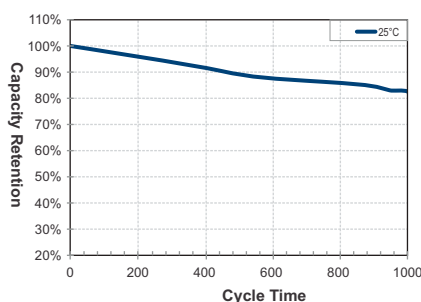
Transportation

- UN 38.3 Miscellaneous Class 9

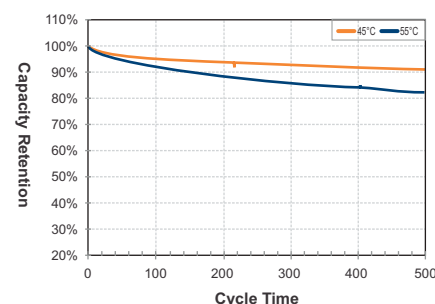
Further Information

Please refer to our website www.sesbatteries.co for a complete range of useful downloads, such as product catalogs, material safety data sheets (MSDS), ISO certification, etc.

Cycle life curve@ 25°C

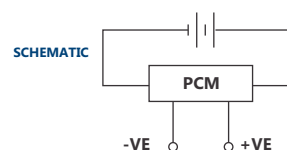
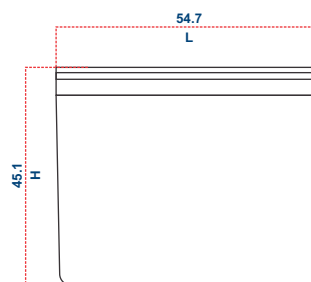
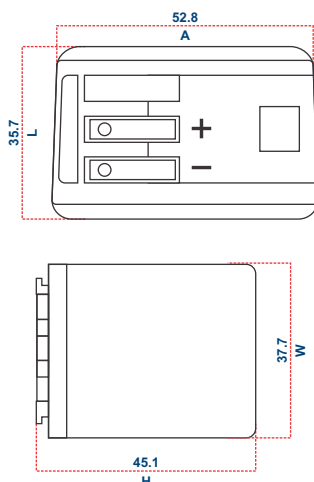


High temperature cycle life curves



Product Dimension

Dimensions are in Millimeters	
Tolerances: ±0.5mm	
L : 54.7	W : 37.7
H : 45.1	A : 52.8



Li-ion