



SE-2511

NSN 6140-72-002-4863

This SE-2511 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 plastic, UL94V-0
- High energy density cells
- Built in protection circuitry

Key Features

- 24V output voltage
- MIL-PRF-32052 compliance
- High power battery, 287Wh
- Robust molded plastic case

Typical Applications

- Portable Thermal Imager
- Rugged, portable electronics
- Robotics /AUVs / UUVs
- Military communication device
- Battle Field Surveillance Radar
- Remote control electronics
- Portable Laser Designator



Rechargeable Li-ion Battery 25.2V 11.4Ah, 287.0Wh

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:-

National Stock Number	6140-72-002-4863
Part Number	SE-2511
Pack Designation	71NR19/65-4
Capacity (typ.)	11.4 AH
Nom. Voltage	25.2 Volt
Max. Voltage	29.4 Volt
Max. Discharge Current (cont.)	10.0 A
Max. Discharge Current (pulse)	15.0 A for 10 Sec
Replacement to	Z9/6140-005301
Visual state of charge indicator	None
Life Cycle	1000 cycles at 25°C
Communication	None
Recommended charge	Constant current at C/3, 3.8A with 16.8V limit, End with timer or when current drops below 0.1A
Physical Characteristics	
Dimensions (L x W x H)	211 x 62 x 127 mm
Weight	3.0 Kg ± 0.25 Kg
Weight energy density	95 Wh/Kg
Construction & Layout	DRW-1127
Mating Connector	MS 3102R 16-10P
Battery Housing	Plastic UL94V-0
Color	Olive drab / Black

Manufactured by : **SEALED ENERGY SYSTEMS**



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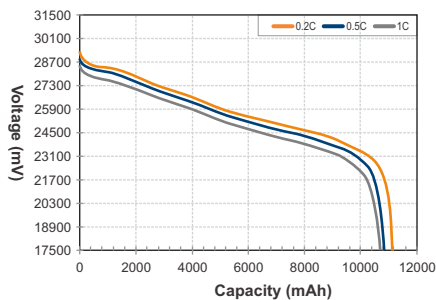


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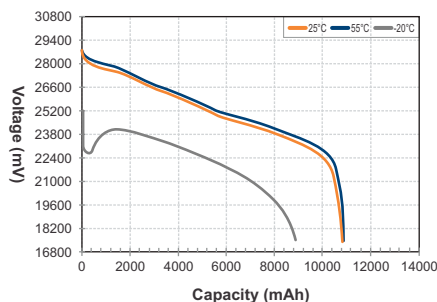


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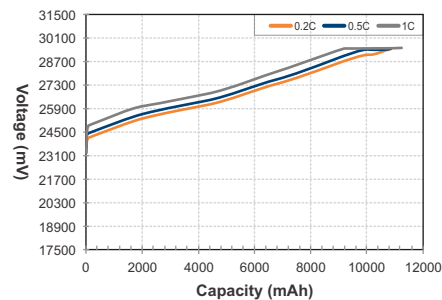
Rate discharge curve@ 25°C



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%

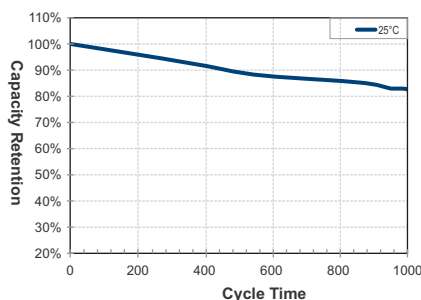
Transportation

- UN 38.3 Miscellaneous Class 9

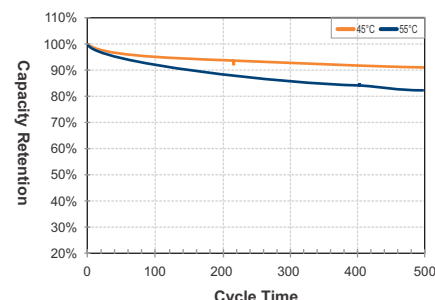
Further Information

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

