



SE-2847/U

NSN 6140-72-049-0022

This SE-2847/U 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
- Indigenous connector construction
- High energy density cells

Key Features

- Robust molded plastic case
- Built in protection circuitry
- 5-segment LCD Fuel Gage
- Dual I/O terminals
- High rate discharge capability
- High cycle life and low capacity fading
- Battery is compatible with MIL compliant chargers

Typical Applications

- Applications where BB-2847, BA 5847 and BA 5347 are used
- AN/PM-34
- AN/PAS-13
- AN/PRS-7
- HHTICORAL
- PLDR CORAL RATTLER



Rechargeable Li-ion Battery 7.2V 7.2Ah, 51.84Wh

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	6140-72-049-0022
Part Number	SE-2847/U
Pack Designation	21NR32/65-3
Capacity (typ.)	7.2 AH
Nom. Voltage	7.2 Volt
Max. Voltage	8.4 Volt
Max. Discharge Current (cont.)	6.0 A
Max. Discharge Current (pulse)	8.0 A for 10 sec.
Replacement to	BB-2847, BA-5847, BB-2847A/ UBT-70478, BA-5847/U
Visual state of charge indicator	5 Segment LCD
Life Cycle	1000 cycles at 25°C
Recommended charge	Constant current at C/2, 3.6A with 8.4V limit, End with timer or when current drops below 0.075A

Physical Characteristics

Dimensions (L x W x H)	64.5 x 38.0 x 95.5 mm
Weight	0.375 Kg± 0.05Kg
Weight energy density	142Wh/Kg
Connector	3.0, 5.0mm socket & Flat contact
Battery Housing	ABS Plastic UL94V-0
Color	Olive drab / Black

Manufactured by : **SEALED ENERGY SYSTEMS**

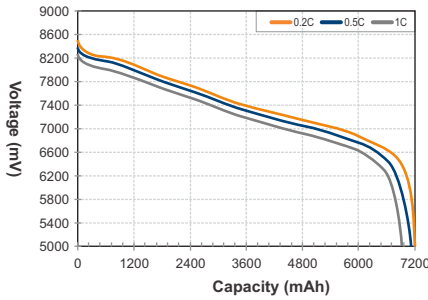
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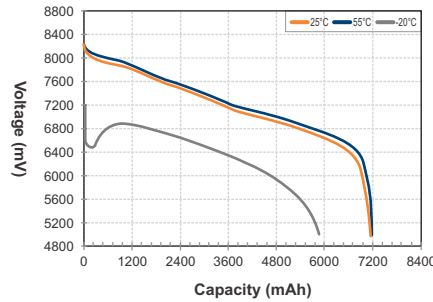


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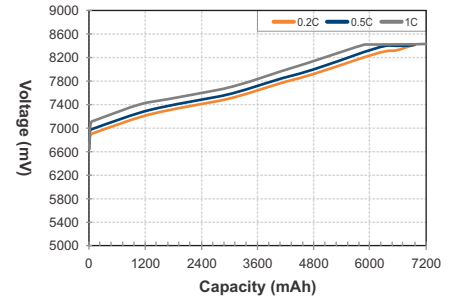
Rate discharge curve@ 25°C



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
- 5-segment LCD fuel gauge display in 20% increments for each side

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%

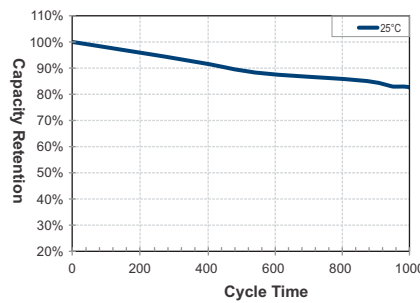
Transportation

- UN 38.3 Miscellaneous Class 9

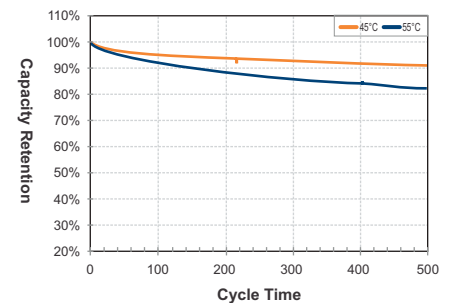
Further Information

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.

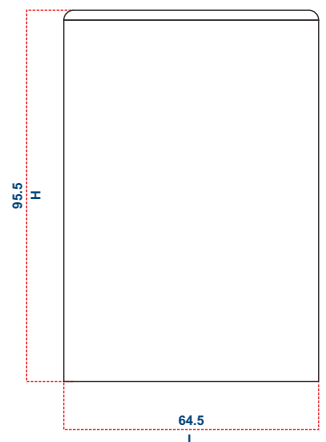
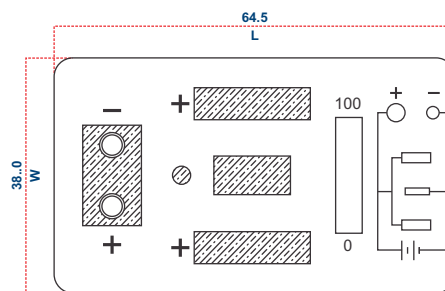
Cycle life curve@ 25°C



High temperature cycle life curves



Product Dimension



Dimensions are in Millimeters	
Tolerances: ±0.5mm	
L : 64.5	W : 38.0
H : 95.5	



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