



SE-2800/U

NSN 6140-72-049-0023

This SE-2800/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

- Single Wire Battery Communication
- UN 38.3 Rating: 37Wh
- Comparable to: BA-5800/U
- Built in protection circuitry

Typical Applications

- Applications where BB-2800/U and BA-5800 are used
- SLGR or PLGR (AN/PSN-10 or -11)
- FED (AN/PSG-7)
- SAGR (AN/ASN-169)
- CAM and ICAM
- HHTIDRUSHTI



Li-ion



Rechargeable Li-ion Battery 7.2V 5.2Ah, 37.44Wh

Compliance

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

Approvals

- ISO 9001:2015
- ISO 13485:2016
- Safety Datasheet

Technical Specification:-

National Stock Number	6140-72-049-0023
Part Number	SE-2800/U
Pack Designation	2INR32/61-1
Capacity (typ.)	5.2 AH
Nom. Voltage	7.2 Volt
Max. Voltage	8.4 Volt
Max. Discharge Current (cont.)	2.5 A
Max. Discharge Current (pulse)	4.0 A for 10 sec.
Replacement to	BB-2800/U, MR-2800, BA-5800 2VL 34570, BT-70780T,
Visual state of charge indicator	None
Communication	1-Wire® communication
Life Cycle	1000 cycles at 25°C
Data System	DQ
Recommended charge	Constant current at C/2, 2.5A with 8.4V limit, End with timer or when current drops below 0.075A
Physical Characteristics	
Dimensions (L x D)	129 (L) x 35.5 (Dia.) mm
Weight	0.265 Kg± 0.05Kg
Weight energy density	125 Wh/Kg
Connector	Flat circular contacts as per MIL-PRF-32-52/3
Battery Housing	ABS Plastic UL94V-0
Color	Olive drab / Black

Manufactured by : **SEALED ENERGY SYSTEMS**



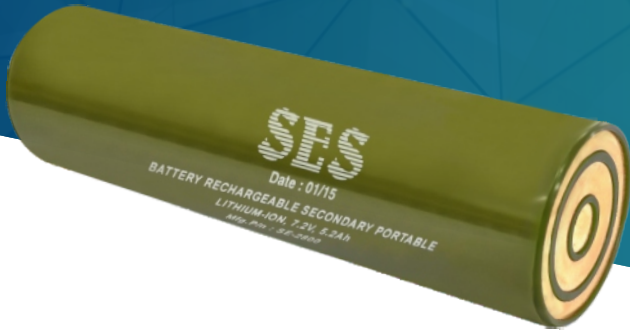
Plot No. 72, HSIIDC Industrial Estate,
Ambala Cantt -133006, Haryana, India



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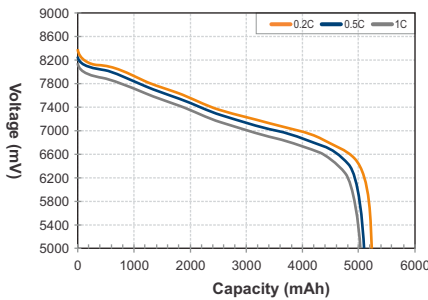


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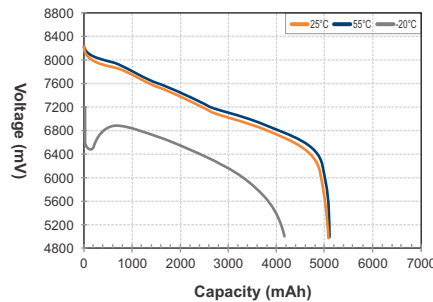


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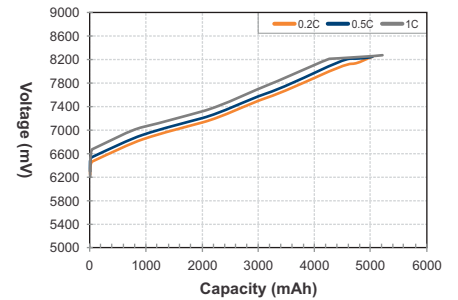
Rate discharge curve@ 25°C



Discharge curve at different temperatures



Rate charge curve@ 25°C



Protection

- Cell charge over voltage protection
- Cell discharge under Voltage protection
- Over current and short circuit protection
- Over temperature protection
- Reverse Polarity

Smart Functions

- 1-Wire® communication
- 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%

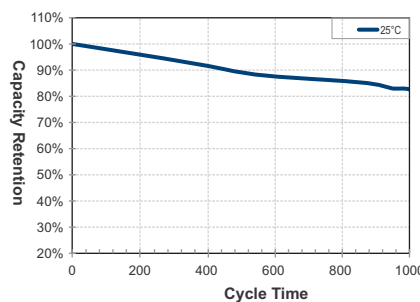
Transportation

- UN 38.3 Miscellaneous Class 9

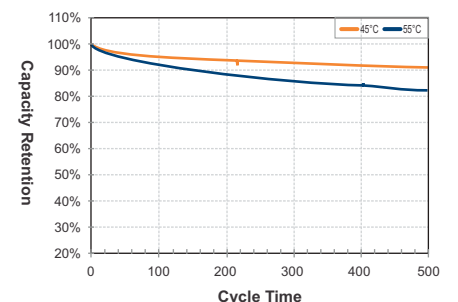
Further Information

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.

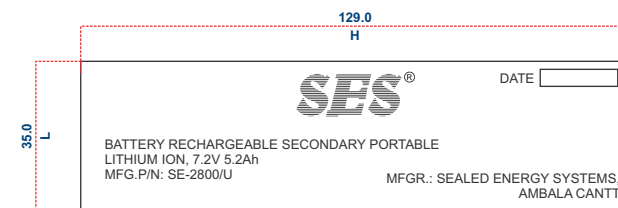
Cycle life curve@ 25°C



High temperature cycle life curves



Product Dimension



Dimensions are in Millimeters			
Tolerances: ±0.5mm			
L : 35.0	W : 35.0		
H : 129.0	A : 24.5		
B : 11.0	C : 9.0		
D : 22.5	E : 33.0		

