



SO-5850

REF SO5850WR20

This SO-5850 battery is primary, non-rechargeable lithium sulphur dioxide, engineered and designed for use in a world wide tactical environment, and is manufactured to meet and exceed Indian military standard JSS-5555 and ISO-9000 methods and procedures. This battery meets the requirements of JSS 6135-01:2013 and MIL-PRF-49471B with reference to MIL-STD-810E.

Key Features

- Standard power battery, 24Wh
- Robust molded plastic case
- Non-replaceable 3A fuse at ground
- High temperature thermal fuse at ground
- Diode at 6V positive output

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



Non-Rechargeable Battery Lithium Sulphur Dioxide 6V 4.0Ah, 24Wh

Compliance

- JSS-55555
- JSS-6135-01 : 2013
- MIL-STD-810E
- MIL-PRF-49471B

Approvals

- ISO 9001:2015
- ISO 13485:2016
- Safety Datasheet
- IS 16046 : 2018 (cells)

Technical Specification:-

Part Number	SO-5850
Pack Designation	2WR15/51-2
Capacity (typ.)	4.0 AH
Nominal Voltage	6.0 V
Maximum Voltage	6.5 V
Operating voltage	5.6 V
Cut-off voltage	5.0 V
Max. Discharge Current (cont.)	0.5 A
Max. Discharge Current (pulse)	1.0 A for 10 sec.
Replacement to	SE-2850, BEL-1100-017-959-01, BEL-1100-017-363-45
CAT P/N	
Life Cycle	Primary battery, one-time use
Shelf Life	3 years
Physical Characteristics	
Dimensions (L x W x H)	54.7 x 37.7 x 45.1 mm
Weight	105 gm ± 0.05gm
Weight energy density	127 Wh/Kg
Connector	Flat 5.0mm (as per drawing)
Battery Housing	Plastic UL94V-0
Color	Olive drab / Black

Manufactured by : **SEALED ENERGY SYSTEMS**



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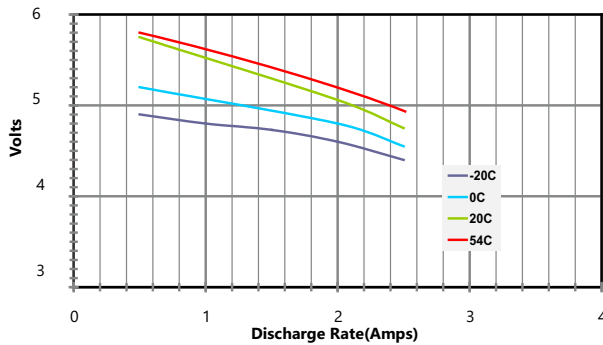


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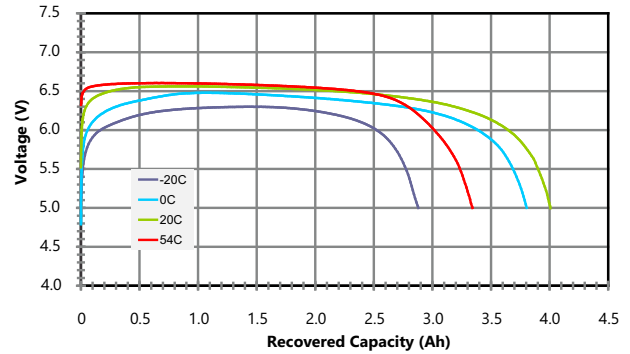


Lithium Sulphur Dioxide 6V 4.0Ah, 24Wh

Mid-discharge voltage vs. rate at various temperatures



1 A discharge typical curves at various temperatures



Operating Temperature

- Discharge -20°C to +55°C

Storage

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

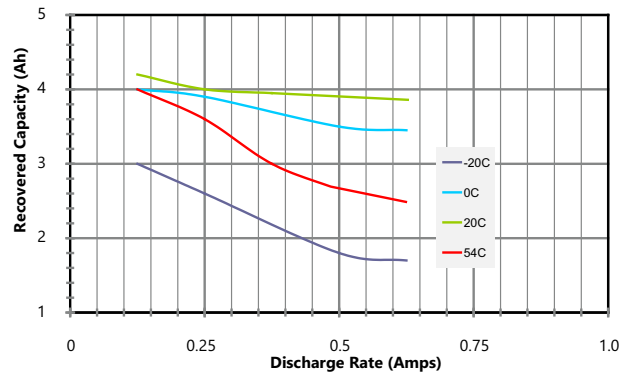
Transportation

- Miscellaneous Class 9

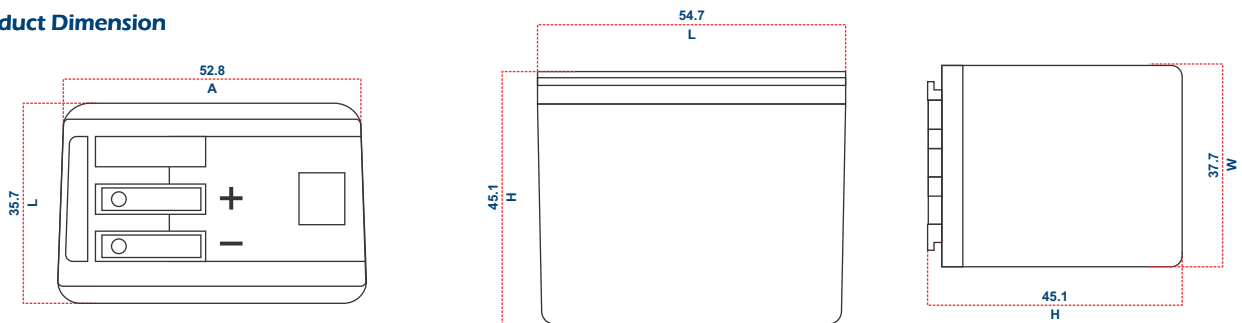
Further Information

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.

Capacity vs. rate at various temperatures



Product Dimension



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

