



# SO-5590/U

**REF** SO5590UWR70

This SO-5590/U 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.

## Benefits

- Wide operating temperature range
- Durable high impact ABS case, UL94V-0
- Non-replaceable 3A fuse at ground
- High temperature thermal fuse at ground
- Diode at 15 V positive output
- Flexible output voltage
- BA-5590 B/U constructions

## Typical Applications

- AN/PRC-104, 117, 119, SINGARS & ATCS
- AN/PRC-117G, PRC-117F, PRC-138, FALCON
- AN/PSC-5D, KY-57
- FSG-FIELD SIGNAL GENERATOR
- PLD-PORTABLE LASER DESIGNATOR
- REMBASS Battlefield Surveillance System
- PLRS Position Locator and Reporting System
- RT-991 and RT-1175 Buoy Radio
- AN/TAS-4A TOW Night Sight



## Non-Rechargeable Battery Lithium Sulphur Dioxide 15V 18.0Ah, 270Wh

### 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:-

National Stock Number	PENDING
Part Number	SO-5590/U
Capacity (typ.)	30.0V Mode: 9.0 AH 15.0V Mode: 18.0 AH
Nom. Voltage	30.0 Volts Mode: 20.0 to 30.5V 15.0 Volts Mode: 10.0 to 15.5V
Max. Discharge Current (cont.)	30.0 Volts Mode: 1.0A 15.0 Volts Mode: 2.0A
Max. Discharge Current (pulse)	30 Volts Mode: 2.0A 15.0 Volts Mode: 4.0A
Visual state of charge indicator	5 Segment LCD
Replacement to	BB-2590/U, BB-390A/U, BB-390B/U, BB-490/U, BB-590/U, BA-3590/U, BA-5290/U, BA-5390/U, BA-5590/U
Life Cycle	Primary battery, one-time use
Shelf Life	3 years
<b>Physical Characteristics</b>	
Dimensions (L x W x H)	111.5 x 62.1 x 125.5 mm
Weight	1.0 Kg ± 0.05Kg (Max.)
Weight energy density	270 Wh/Kg
Connector	Floating type DWG# SC-C-179495
Battery Housing	ABS Plastic UL94V-0
Color	Olive drab / Black

Manufactured by : **SEALED ENERGY SYSTEMS**

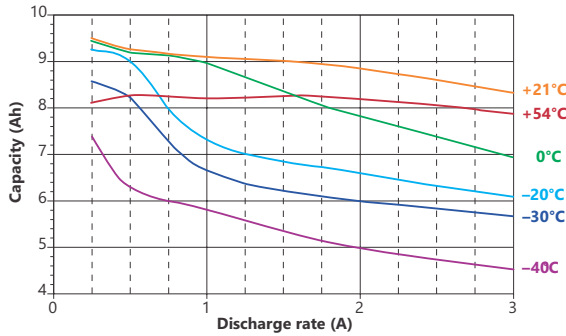
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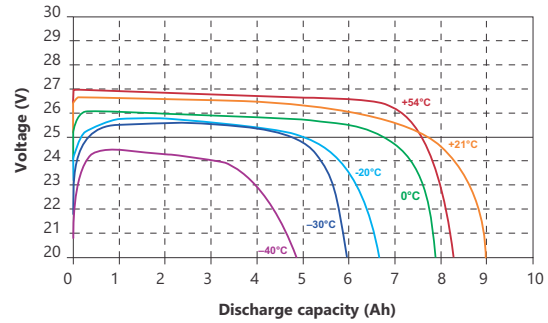


# Lithium Sulphur Dioxide 15V 18.0Ah 270Wh

### Capacity vs rate at various temperatures



### 2 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%

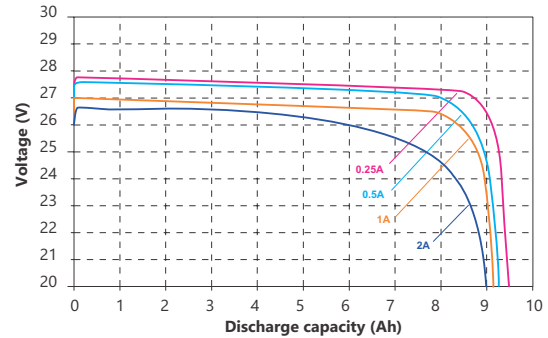
### Transportation

- Miscellaneous Class 9

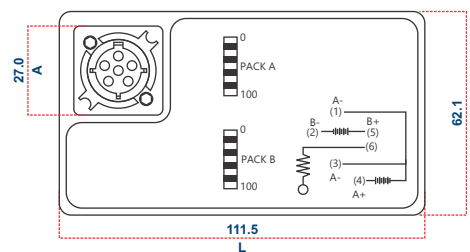
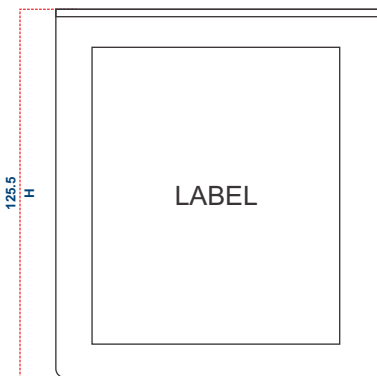
### Further Information

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

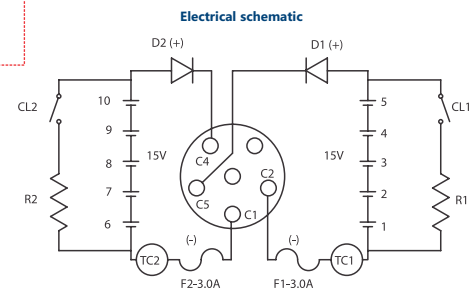
### Typical discharge curves at various rates at 25°C



### Product Dimension



Dimensions are in Millimeters	
Tolerances: ±0.5mm	
L	: 111.5
W	: 62.1
H	: 125.5
A	: 27.0



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