



# SO-2470

**REF** SO2470WR70

This SO-2470 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-55555 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, 168Wh
- Robust molded plastic case
- Non-replaceable 3A fuse at ground
- High temperature thermal fuse at ground
- Diode at 30 V positive output

## Typical Applications

- STAR V, 25W MK-II, RADIO SET
- Surveillance equipment
- Remote control electronics
- Portable Manpack Power bank
- Rugged portable electronics

**Non-Rechargeable Battery**  
**Lithium Sulphur Dioxide**  
**24V 7.0Ah, 168Wh**

## 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:-

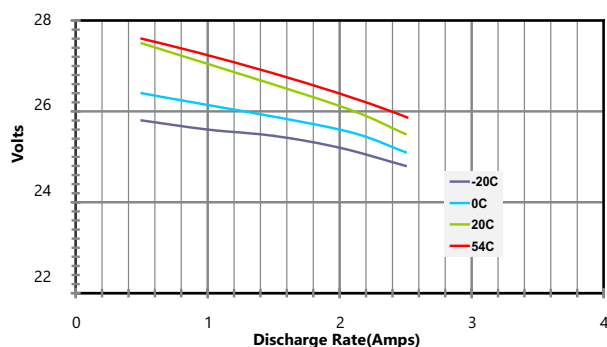
|                                 |                               |
|---------------------------------|-------------------------------|
| Part Number                     | SO-2470                       |
| Pack Designation                | 10WR34/63-1                   |
| Capacity (typ.)                 | 7.0 AH                        |
| Nominal Voltage                 | 30.0 V                        |
| Maximum Voltage                 | 30.5 V                        |
| Operating voltage               | 24.0 V                        |
| Cut-off voltage                 | 20.0 V                        |
| Max. Discharge Current (cont.)  | 1.0 A                         |
| Max. Discharge Current (pulse)  | 5.5 A for 10 sec.             |
| CAT P/N:                        | Y3/MISC-1100-011-073-95       |
| Life Cycle                      | Primary battery, one-time use |
| Drawing                         | CQAL 4432                     |
| Shelf Life                      | 3 years                       |
| <b>Physical Characteristics</b> |                               |
| Dimensions (L x W x H)          | 263 x 89 x 130 mm             |
| Weight                          | 1.8 Kg ± 0.1 Kg               |
| Weight energy density           | 93.3 Wh/Kg                    |
| Connector                       | 2-Way Female Floating Socket  |
| Battery Housing                 | Plastic UL94V-0               |
| Color                           | Olive drab / Black            |



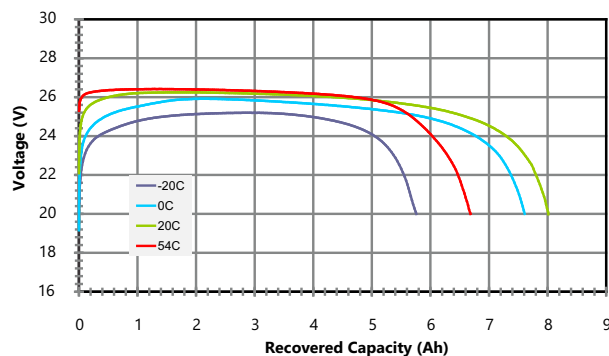


## Lithium Sulphur Dioxide 24V 7.0Ah, 168Wh

Mid-discharge voltage 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

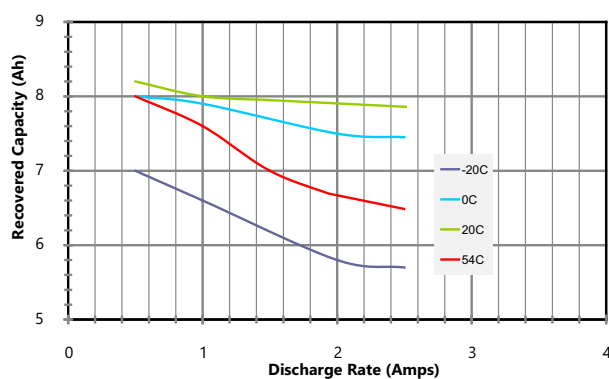
- Miscellaneous Class 9

### Further Information

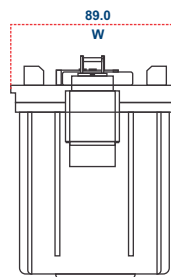
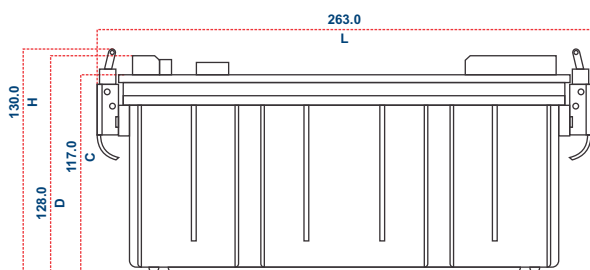
Please refer to our website

[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.

Capacity vs. rate at various temperatures



### Product Dimension



Dimensions are in Millimeters  
Tolerances: ±0.5mm

|           |           |
|-----------|-----------|
| L : 263.0 | W : 89.0  |
| H : 130.0 | A : 223.0 |
| B : 239.0 | C : 117.0 |
| D : 128.0 |           |

