



SO-0109

REF SO0109WR70

This SO-0109 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, 72Wh
- Robust molded plastic case
- Non-replaceable 3A fuse at ground
- High temperature thermal fuse at ground
- Diode at 15 V positive output

Typical Applications

- Soldier-based applications
- Portable electronic field equipment
- Hand-held military radios and
- Communications equipment
- Night vision equipment
- Emergency response devices

Non-Rechargeable Battery Lithium Sulphur Dioxide 12V 6.0Ah, 72Wh

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:-

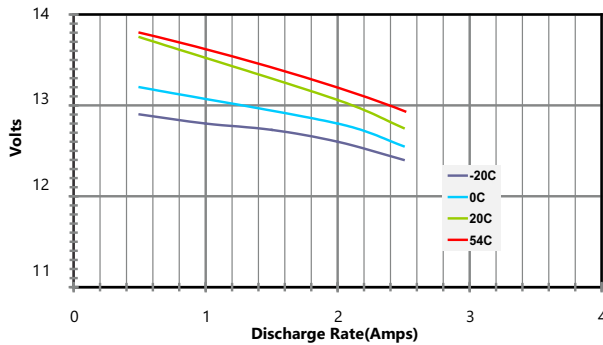
| | |
|---------------------------------|---|
| Part Number | SO-0109 |
| Pack Designation | 5WR26/51 |
| Capacity (typ.) | 6.0 AH |
| Nominal Voltage | 15 V |
| Maximum Voltage | 15.25 V |
| Operating voltage | 14.0 V |
| Cut-off voltage | 10.0 V |
| Max. Discharge Current (cont.) | 1.0 A |
| Max. Discharge Current (pulse) | 2.0 A for 10 sec. |
| Replacement to | BT-5790, BA-3791/U, BA-3791 MR-2790, MR-2791, ELI-0414 |
| CAT P/N: | 930025/1437-0579-01 |
| Life Cycle | Primary battery, one-time use |
| Shelf Life | 3 years |
| Physical Characteristics | |
| Dimensions (L x W x H) | 186.5 x 36.5 x 65 mm |
| Weight | 0.60 Kg ± 0.05Kg (Max.) |
| Weight energy density | 120 Wh/Kg |
| Connector | Floating Pin 3.0 mm |
| Battery Housing | ABS Plastic UL94V-0 |
| Color | Olive drab / Black |



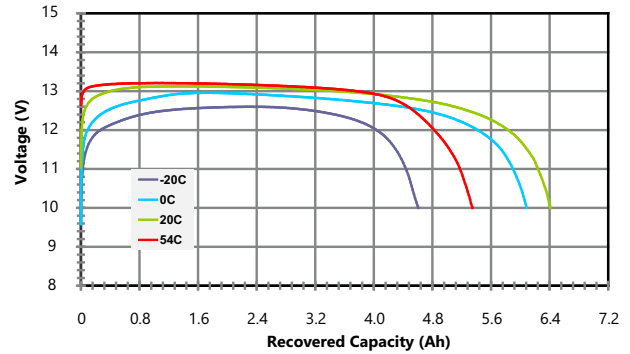


Lithium Sulphur Dioxide 12V 6.0Ah, 72Wh

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%

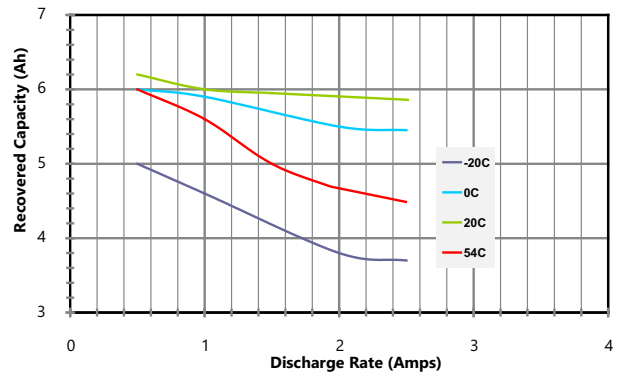
Transportation

- Miscellaneous Class 9

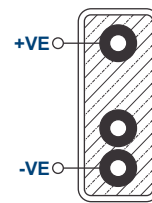
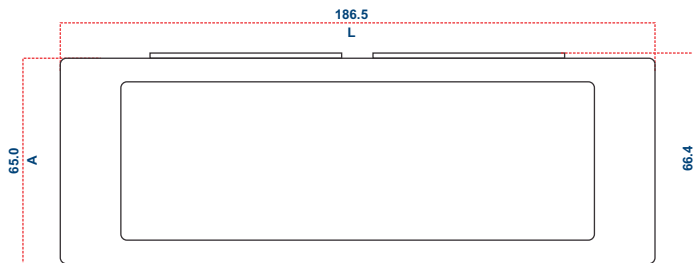
Further Information

Please refer to our website www.sesbatteries.co 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 : 186.5 | W : 36.5 | | |
| H : 66.4 | A : 65.0 | | |
| B : 11.8 | C : 27.8 | | |

