



SO-3791/U

NSN 6135-72-034-2630

This SO-3791/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-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, 180Wh
- Robust molded plastic case
- Non-replaceable 3A fuse at ground
- High temperature thermal fuse at ground
- Diode at 15 V positive output
- US military specs BA-3791/U constructions

Typical Applications

- Applications where BA-3791/U or TNC-2188 are used
- PRC-04, PRC-40, PRC-80, GRA-7410, GRA-7420
- PRC-730M, PRC-6020, PRC-6020A, PRC-2200
- BC-2188L, CNR-900, HF-6000,
- BEL MANPACK LHP-265, LVP-260A
- RUGGED PORTABLE ELECTRONICS
- ROBOTICS / ROV / AUV
- MILITARY COMMUNICATION DEVICE



Non-Rechargeable Battery Lithium Sulphur Dioxide 12V 15.0Ah, 180Wh

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 | 6135-72-034-2630 |
| Part Number | SO-3791/U |
| Pack Designation | 5WR34/61-2 |
| Capacity (typ.) | 15.0 AH |
| Nominal Voltage | 12.0 V |
| Maximum Voltage | 15.2 V |
| Operating voltage | 14.0 V |
| Cut-off voltage | 10.0 V |
| Max. Discharge Current (cont.) | 1.0 A |
| Max. Discharge Current (pulse) | 5.0 A for 1 min. |
| CAT P/N: | Y3/ 6135-00-1362 |
| Life Cycle | Primary battery, one-time use |
| Shelf Life | 3 years |
| Physical Characteristics | |
| Dimensions (L x W x H) | 186 x 71 x 65 mm |
| Weight | 1.05 Kg ± 0.05 Kg |
| Weight energy density | 171 Wh/Kg |
| Connector | Floating Pin 3.05 mm |
| Battery Housing | ABS Plastic UL94V-0 |
| Color | Olive drab / Black |

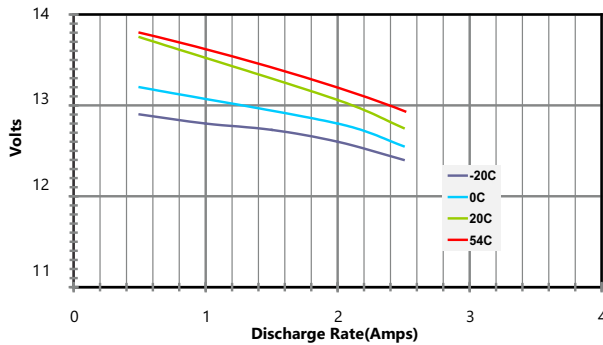
Manufactured by : **SEALED ENERGY SYSTEMS**

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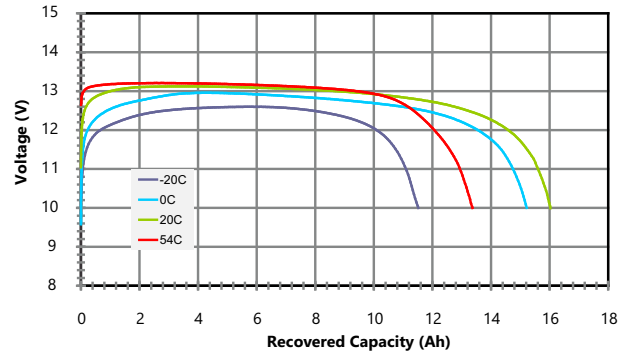


Lithium Sulphur Dioxide 12V 15.0Ah, 180Wh

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%

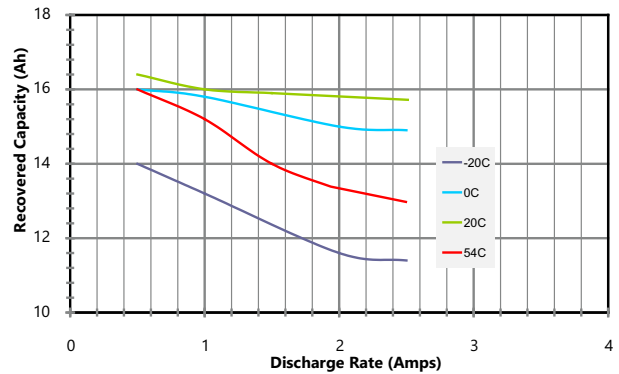
Transportation

- Miscellaneous Class 9

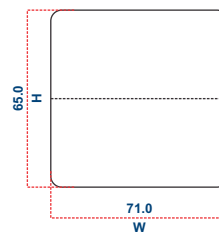
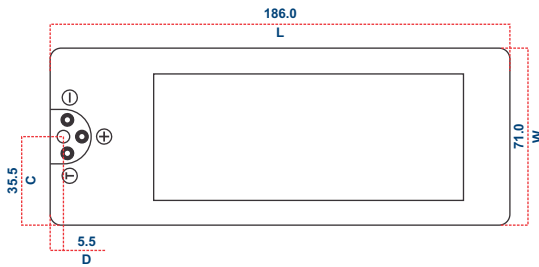
Further Information

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

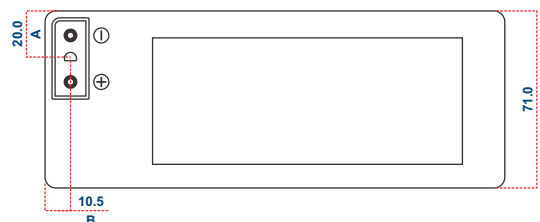


Product Dimension



Dimensions are in Millimeters
Tolerances: ±0.5mm

| | |
|-----------|----------|
| L : 186.0 | W : 71.0 |
| H : 65.0 | A : 20.0 |
| B : 10.5 | C : 35.5 |
| D : 5.5 | |



Li-SO₂



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