



# SE-2900

**NSN 6140-72-048-9672**

This SE-2900 battery is rechargeable lithium-ion, 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 6140-03 : 2013 and MIL-PRF-32052 with reference to MIL-STD-810E and MIL-STD-461.

## Benefits

- Wide operating temperature range
- Durable high impact ABS case, UL94V-0
- High energy density cells
- Built in protection circuitry

## Key Features

- High power battery 328Wh with indigenous construction, fit to applications where BA-3791/U or TNC-2188 are used

## 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\
- MICOM 3 PATHFINDER ELBIT



## Rechargeable Li-ion Battery 14.4V 22.8Ah, 328.32Wh

### Compliance

- JSS-55555
- JSS-6140-03 : 2013
- MIL-STD-810E
- MIL-STD-32052

### Approvals

- ISO 9001:2015
- ISO 13485:2016
- Safety Datasheet
- UL-1642 (cells)

### Technical Specification:-

<b>National Stock Number</b>	<b>6140-72-048-9672</b>
Part Number	SE-2900
Pack Designation	4INR19/65-8
Capacity (typ.)	22.8 AH
Nom. Voltage	14.4 Volt
Max. Voltage	16.8 Volt
Max. Discharge Current (cont.)	13.0 A
Max. Discharge Current (pulse)	15.0 A for 10 sec
Replacement to	MR-2791, BT-5791, BT-70912AK BA-3791, BA-3791/U, TNC-2188
Visual state of charge indicator	5 Segment LED (optional)
Life Cycle	1000 cycles at 25°C
Communication	None
Recommended charge	Constant current at C/4, 5.7A with 16.8V limit, End with timer or when current drops below 0.1A
<b>Physical Characteristics</b>	
Dimensions (L x W x H)	187.5 X 73 X 79 mm ± 0.5 mm
Weight	1.80 Kg ± 0.05Kg
Weight energy density	183 Wh/Kg
Connector	Floating type 3.05mm
Battery Housing	ABS Plastic UL94V-0
Color	Olive drab / Black

Manufactured by : **SEALED ENERGY SYSTEMS**

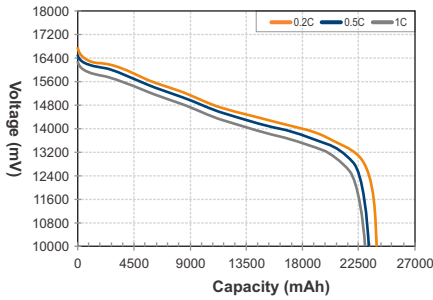
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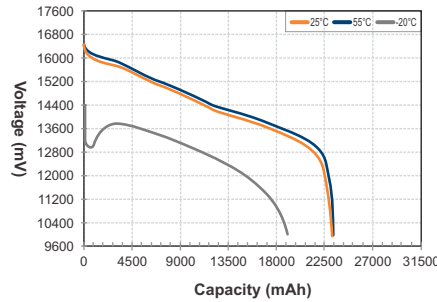


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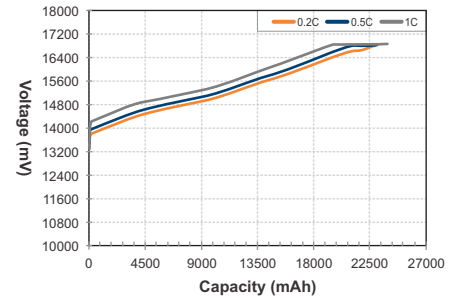
Rate discharge curve@ 25°C



Discharge curve at different temperatures



Rate charge curve@ 25°C



**Protection**

- Over current / short circuit
- Over charge / over discharge
- Over heating
- Charging at over temperature range
- Reverse polarity

**Smart Functions**

- Cell balancing

**Operating Temperature**

- Charge -20°C to +55°C
- Discharge -20°C to +55°C
- Storage -20°C to +55°C
- Humidity at 0 to 95%

**Storage**

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

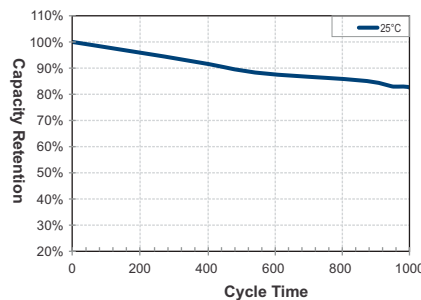
**Transportation**

- UN 38.3 Miscellaneous Class 9

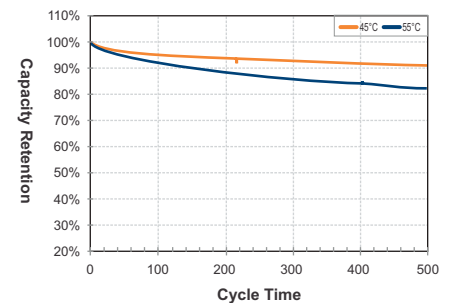
**Further Information**

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.

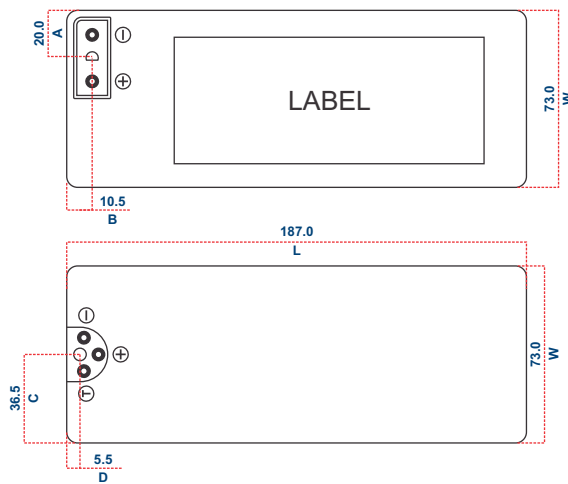
Cycle life curve@ 25°C



High temperature cycle life curves



**Product Dimension**



Dimensions are in Millimeters	
Tolerances: ±0.5mm	
L : 187.0	W : 73.0
H : 78.0	A : 20.0
B : 10.5	C : 36.5
D : 5.5	



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