



SE-2791H

REF SE2791HNR29

This SE-2791H 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

- Indigenous connector construction
- BA-3791/U construction
- High power battery, 230Wh
- Robust molded plastic case

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



Rechargeable Li-ion Battery 14.4V 16.0Ah, 230.40Wh

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:-

National Stock Number	PENDING
Model	SE-2791H
Part Number	SE2791HNR29
Capacity (typ.)	16 AH
Nom. Voltage	14.4 Volt
Max. Voltage	16.8 Volt
Max. Discharge Current (cont.)	8.0 A
Max. Discharge Current (pulse)	10.0 A for 10 sec.
Replacement to	MR-2791, BT-5791, BT-70912AK BA-3791, BA-3791/U, TNC-2188
Visual state of charge	None
Life Cycle	1000 cycles at 25°C
Communication	None
Recommended charge	Constant current at C/4, 4.0A with 16.8V limit, End with timer or when current drops below 0.1A
Physical Characteristics	
Dimensions (L x W x H)	186 x 71 x 66 mm
Weight	1.3 Kg ± 0.10 Kg
Weight energy density	177 Wh/Kg
Connector	Floating type 3.05mm
Battery Housing	ABS Plastic UL94V-0
Color	Olive drab / Black

Manufactured by : **SEALED ENERGY SYSTEMS**

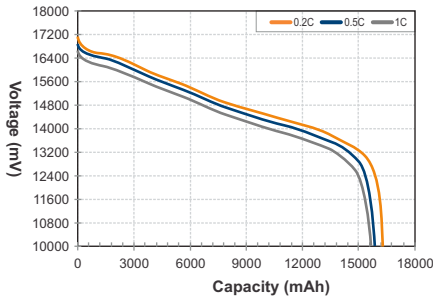
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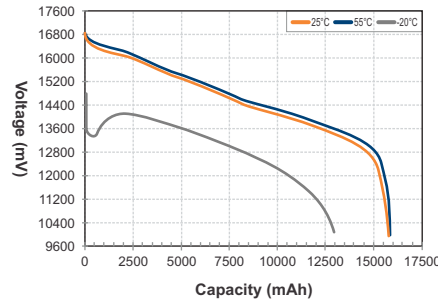


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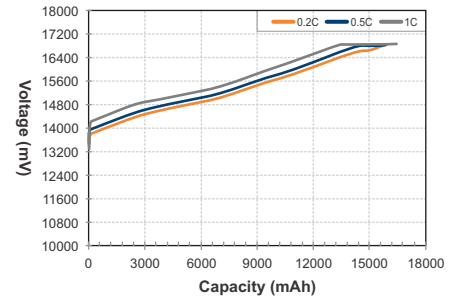
Rate discharge curve@ 25°C



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%

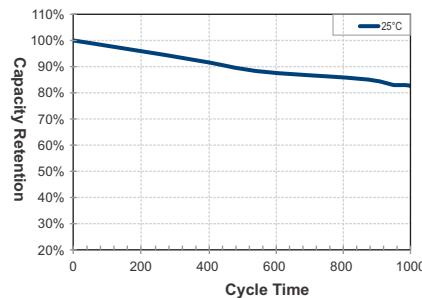
Transportation

- UN 38.3 Miscellaneous Class 9

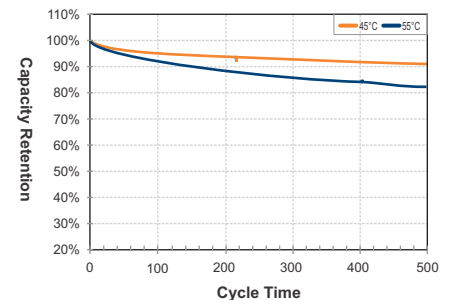
Further Information

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

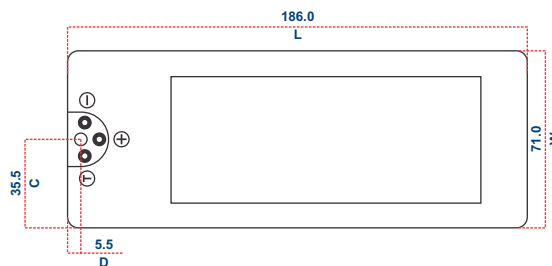
Cycle life curve@ 25°C



High temperature cycle life curves



Product Dimension



Dimensions are in Millimeters	
Tolerances: ±0.5mm	
L : 186.0	W : 71.0
H : 65.0	A : 20.0
B : 10.5	C : 35.5
D : 5.5	

