



SE-2416

REF SE2416NR29

This SE-2416 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
- 5-segment LCD State-of-Charge display

Key Features

- Flexible output voltage
- BB-2590/U and MIL-PRF-32052/1 constructions
- High power battery, 230Wh
- Robust molded plastic case

Typical Applications

- ROV - REMOTE OPERATED VEHICLE
- FSG - FIELD SIGNAL GENERATOR
- PLD - PORTABLE LASER DESIGNATOR
- AGTM - ANTI TANK GUIDED MISSILE LAUNCHER
- SPIKE, MILAN AND FGM-148 JAVELIN
- NIGHT VISION THERMAL IMAGER

Rechargeable Li-ion Battery
14.4V 16Ah, 230Wh

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
Part Number	SE-2416
Pack Designation	4INR19/65-6
Capacity (typ.)	14.4V Mode: 16.0 AH
Nom. Voltage	14.4 Volts Mode: 12.0 to 16.8V
Max. Discharge Current (cont.)	14.4 Volts Mode: 20.0A
Max. Discharge Current (pulse)	14.4 Volts Mode: 36.0A
Visual state of charge indicator	5 Segment LCD
Life Cycle	1000 cycles at 25°C
Replacement to	ELI-2416
Communication	1-Wire® communication
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)	111.5 x 62.1 x 125.5 mm
Weight	1.40 Kg
Weight energy density	167 Wh/Kg
Connector	SC-C-179495
Battery Housing	ABS Plastic UL94V-0
Color	Olive drab / Black

Manufactured by : **SEALED ENERGY SYSTEMS**

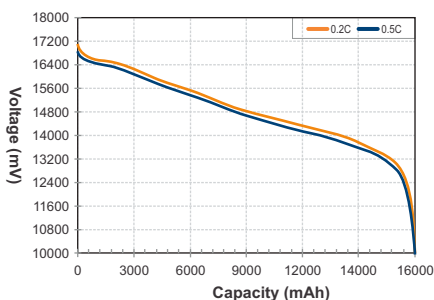
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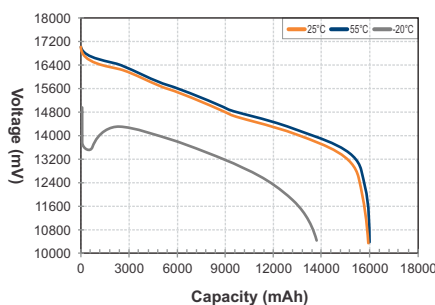


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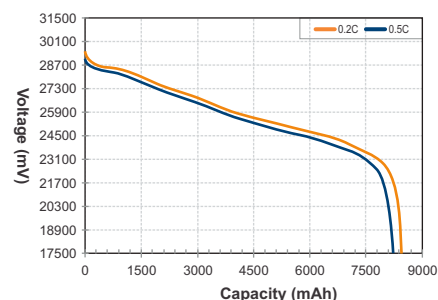
14.4V Mode discharge curve@ 25°C



Discharge curve at different temperatures



28.8V Mode discharge 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
- 5-segment LCD fuel gauge display

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%

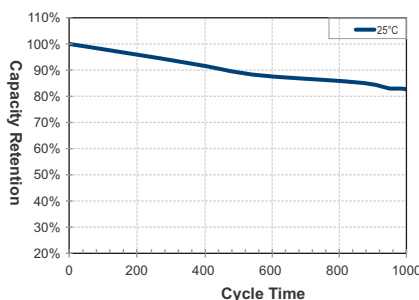
Transportation

- UN 38.3 Miscellaneous Class 9

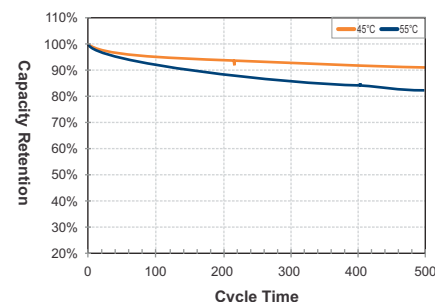
Further Information

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.

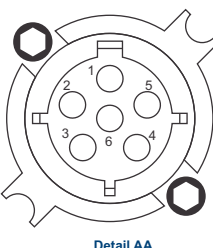
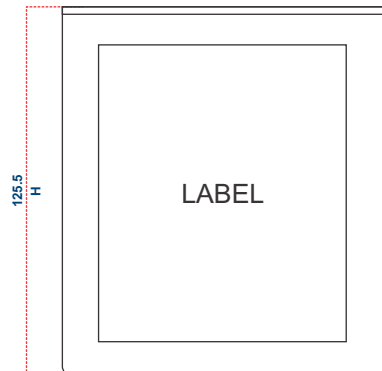
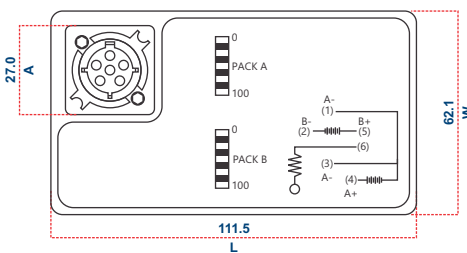
Cycle life curve@ 25°C



High temperature cycle life curves



Product Dimension



- PIN CONFIGURATION**
- Pack 1 (-VE)
 - Pack 2 (-VE)
 - Pack 1 (-VE)
 - Pack 1 (+VE)
 - Pack 2 (+VE)
 - ID/NTC

Dimensions are in Millimeters	
Tolerances: ±0.5mm	
L : 111.5	W : 62.1
H : 125.5	A : 27.0



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