



# ST-2440N

**CAT P/N** Z9/6140-00-5172

This ST-2440N battery is rechargeable nickel cadmium, 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.

## Benefits

- Wide operating temperature range
- Durable high impact case, UL94V-0
- High energy density cells
- Indigenous connector construction

## Key Features

- Standard power battery, 96Wh
- Low temperature performance

## Typical Applications

- STAR V, 25W MK-I, RADIO SET
- Surveillance equipment
- Remote control electronics
- Portable Manpack Power bank
- Rugged portable electronics



NI-CD



## Rechargeable Nickel Cadmium Battery, 24V 4.0Ah, 96Wh

### Compliance

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

### Approvals

- ISO 9001:2015
- ISO 13485:2016
- Safety Datasheet
- IS 16046 : 2018 (cells)

### Technical Specification:-

National Stock Number	PENDING
Part Number	ST-2440N
Pack Designation	20KRL-33/62
Capacity (typ.)	4.0 AH at C/5 rate
Nom. Voltage	24.0 Volt
Max. Voltage	28.0 Volt
Max. Discharge Current (cont.)	4.0 A
Max. Discharge Current (pulse)	8.0 A for 10 Sec.
Replacement to	Z9/6140-005172
Life Cycle	500 cycles at 25°C
Drawing	CQAL 4442
Recommended charge	Constant current at C/4 , 1.0A with 28.0V limit, End with timer or when current drops below 0.1A
<b>Physical Characteristics</b>	
Dimensions (L x W x H)	261 x 90 x 128 mm
Weight	3.70 Kg ± 0.1 Kg
Weight energy density	25 Wh/Kg
Connector	2-Way Female Floating Socket
Battery Housing	Plastic UL94V-0
Color	Olive drab / Black

Manufactured by : **SEALED ENERGY SYSTEMS**



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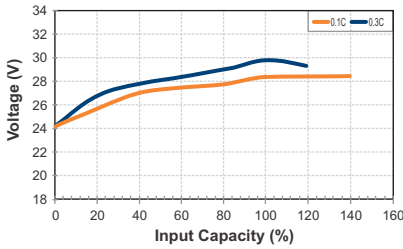


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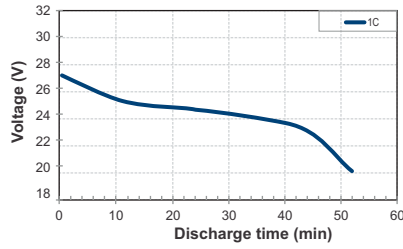


# Rechargeable Ni-C Battery 24V 4.0Ah, 96Wh

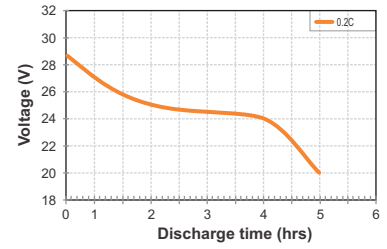
Charge curve at 25°C



Discharge at high rate 25°C



Discharge at low rate, 25°C



### 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

- Miscellaneous Class 9

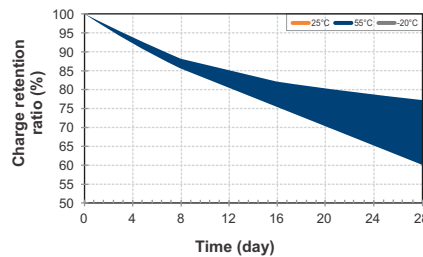
### Charge Method

- Charging either through 'SES' tactical charger or through a dedicated charging board/ circuit installed in the host devise
- Charging Voltage: 27.6-28.4V
- Typical charging current: C/4

### 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.

### Self discharge at 25°C



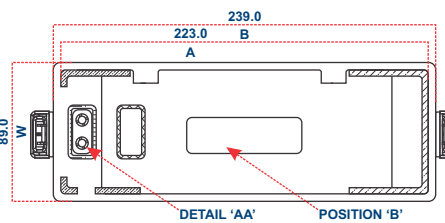
### Chargers

SES® offers suitable chargers for batteries with a variety of capacities.

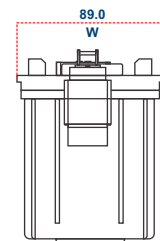
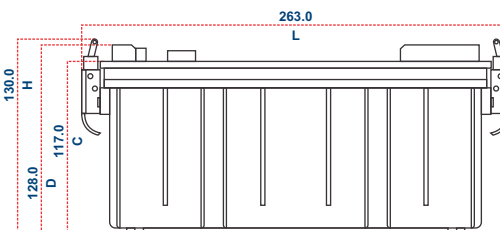
Refer to our website for more information on our switch mode type chargers.

Please contact our technical department for advice if you have difficulty in locating a suitable charger.

### Product Dimension



Dimensions are in Millimeters			
Tolerances: ±0.5mm			
L : 263.0	W : 89.0		
H : 130.0	A : 223.0		
B : 239.0	C : 117.0		
D : 128.0			



NI-CD

