



# SE-24220

**REF** SE24220RH4

This SE-24220 battery is rechargeable nickel metal hydride, engineered and designed for use in a world wide tactical environment, and is manufactured to meet and exceed Indian military standard JSS-5555 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.

## Benefits

- Wide operating temperature range
- Durable high impact aluminum case
- High energy density cells
- Built in protection circuitry

## Key Features

- High power battery, 316Wh
- Manportable carry handle design

## Typical Applications

- Rugged portable electronics
- Surveillance equipment
- Remote control electronics
- Portable Manpack Power bank
- Portable laser designator



## Rechargeable Nickel Metal Hydride (Ni-MH) Battery, 26.4V 12.0Ah, 316.8Wh

### 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	SE-24220
Capacity (typ.)	12.0 AH
Nom. Voltage	26.4 Volt
Max. Voltage	33.0 Volt
Max. Discharge Current (cont.)	10.0 A
Max. Discharge Current (pulse)	15.0 A for 10 Sec.
Fits to	Portable laser designator
Life Cycle	500 cycles at 25°C
Communication	None
Recommended charge	Constant current at C/5, 2.0A with 33.0V limit, End with timer or when current drops below 0.1A

### Physical Characteristics

Dimensions (L x W x H)	330 x 121 x 218.5 mm
Weight	6.5 Kg ± 0.5Kg
Weight energy density	48 Wh/Kg
Connector	MIL Circular, Amphenol
Battery Housing	Aluminum
Color	Olive drab / Black

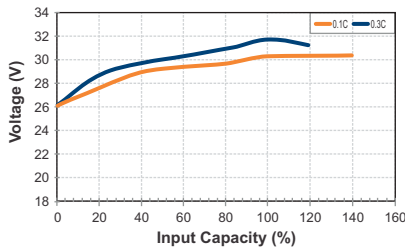
Manufactured by : **SEALED ENERGY SYSTEMS**

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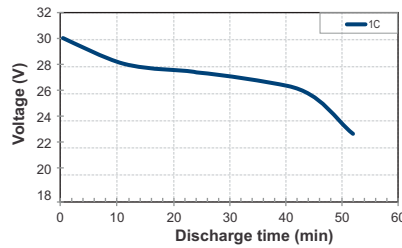


# Rechargeable Ni-MH Battery 26.4V 12.0Ah, 316.8Wh

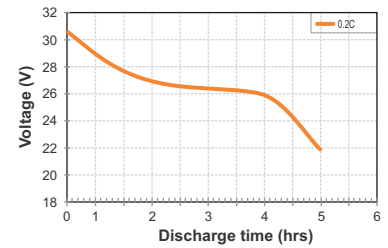
Charge curve at 25°C



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

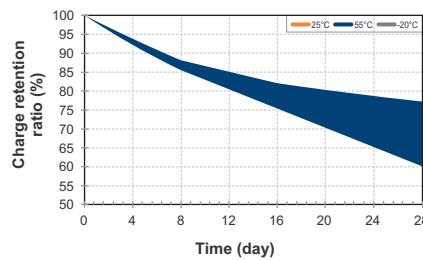
### Charge Method

- Charging either through 'SES' tactical charger or through a dedicated charging board/circuit installed in the host device
- Charging using dV/dt based smart charger with charging Voltage: 32.0V
- Typical charging current: C/3

### 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



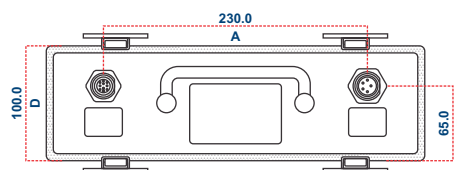
### Chargers

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

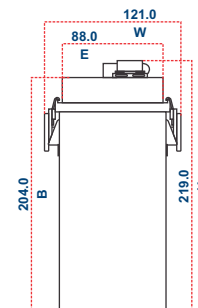
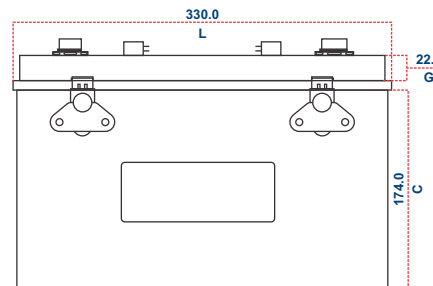
Refer to our website for more information on our switch mode type chargers.

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 : 330.0	W : 121.0		
H : 219.0	A : 230.0		
B : 204.0	C : 174.0		
D : 100.0	E : 88.0		
F : 65.0	G : 22.0		



Ni-MH

