



SE-13213

REF SE13213F13

This SE-13213 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-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.

Benefits

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

Key Features

- Standard power battery, 171Wh
- Designed to fit

Typical Applications

- Manpack counter RCIED, LIBRA
- Rugged, portable electronics
- Military communication device
- Surveillance equipment

Rechargeable Nickel Metal Hydride (Ni-MH) Battery, 13.2V 13Ah, 171.6Wh

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:-

Part Number	SE-13213
Capacity (typ.)	13.0 AH
Nom. Voltage	13.2 Volt
Max. Voltage	16.0 Volt
Max. Discharge Current (cont.)	6.5 A
Max. Discharge Current (pulse)	13.0 A for 10 Sec.
Fits to	LIBRA, manpack counter RCIED
Life Cycle	500 cycles at 25°C
Communication	None
Recommended charge	Constant current at C/5, 2.6A with 16.0V limit, End with timer or when current drops below 0.1A

Physical Characteristics

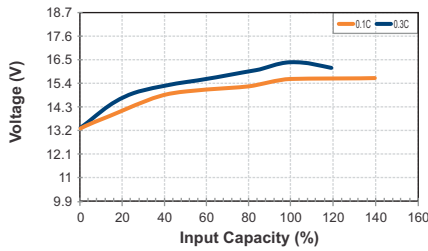
Dimensions (L x W x H)	344 x 82 x 120 mm
Weight	3.7 Kg ± 0.1 Kg
Weight energy density	46 Wh/Kg
Mating Connector	SUBD-3W3
Battery Housing	Aluminum
Color	Olive drab / Black



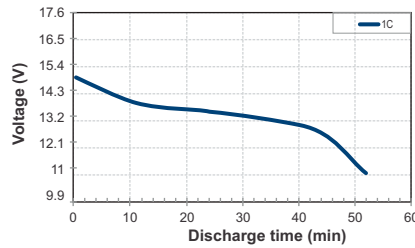


Rechargeable Ni-MH Battery 13.2V 13Ah, 171.6Wh

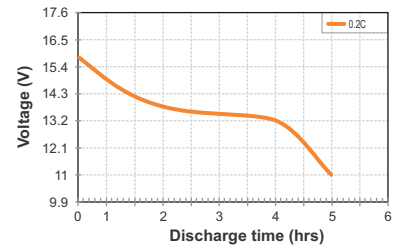
Charge curve at 20°C



Discharge at high rate 20°C



Discharge at low rate, 20°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

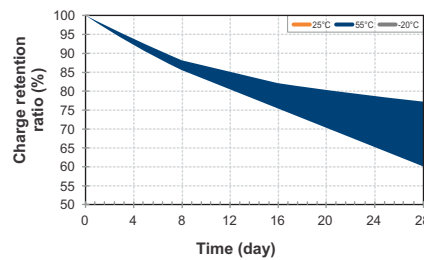
Charge Method

- 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: 16.0 V
- Typical charging current: C/3

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.

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

