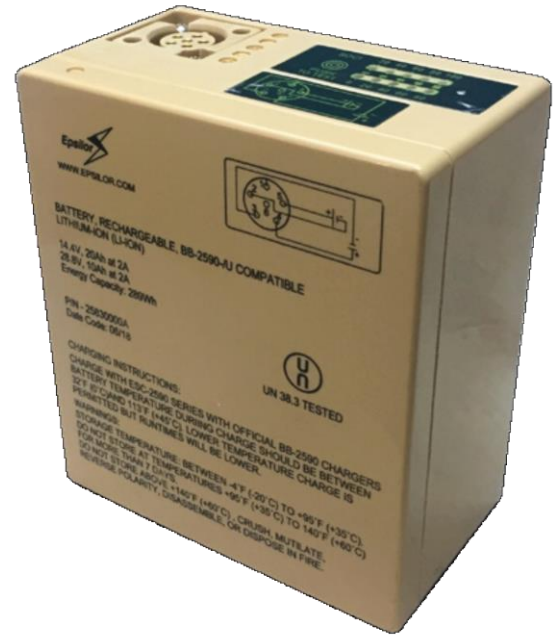


# BB-2590/U COMPATIBLE

ELI-2590/ELI-2590PH

Rechargeable Li-Ion Military Battery

Replacement to NSN 6140-01-490-4316



## General description

- Form, Fit and Function identical to standard BB-2590/U battery
- Rugged tough waterproof tactical battery pack
- Two internal packs provide dual voltage of 14.4V or 28.8V
- High energy & high Power density
- SMBus communication and LED State Of Charge Indicator (SOCI)
- Low energy consumption during storage
- Easy integration into compact and light systems
- Meets civil and military standards

## Applications

Communications, robotics, sensors, airborne systems, marine systems (AUV, UUV), ECM, ESM etc.

## Charge Method (CCCV)

- Charging through a tactical charger or through a dedicated charging board installed in host device
- Charging Voltage: 16.8V (separate charging of each pack)
- Typical charging current: C/3

## Safety

- Under/over voltage
- Over current
- Short circuit
- Under/over temperature
- Reverse polarity

## Quality System

- ISO-9001:2008; AS-9100

## Applicable Standards

- UN-38.3
- MIL-STD-810F/MIL-STD-202
- UL-1642 (for cells)

## MSDS and Disposal

- Check with manufacturer

## Electrical

Capacity (Nom.)	15.6/7.8Ah or 20.7Ah/10.35Ah (PH)
Energy	230Wh / 300Wh (PH)
Voltage (Max. Nom. Min)	10.0V; 14.4V, 16.8V 20.0V; 28.8V; 33.6V
Max. dis. current (cont.)	10A per pack
Max. dis. current (pulse)	18A per pack
Communication	SMBus; LED Fuel Gauge
Life Cycle	300 to 80% capacity @ 100% DOD

## Mechanical

Dimensions	(L;W;H) 126.8mm X 111.6mm X 62.6mm
Weight	1350 gr
Weight energy density	170Wh/kg; 223Wh/kg (PH)
Volume energy density	259Wh/l; 342Wh/l (PH)
Battery Housing	ABS
Color	NATO tan

## Environmental

Charge	0°C to 45°C
Discharge	-32°C to 60°C
Storage	-40°C to 71°C
Humidity	0 to 95%
Transportation	Class 9

