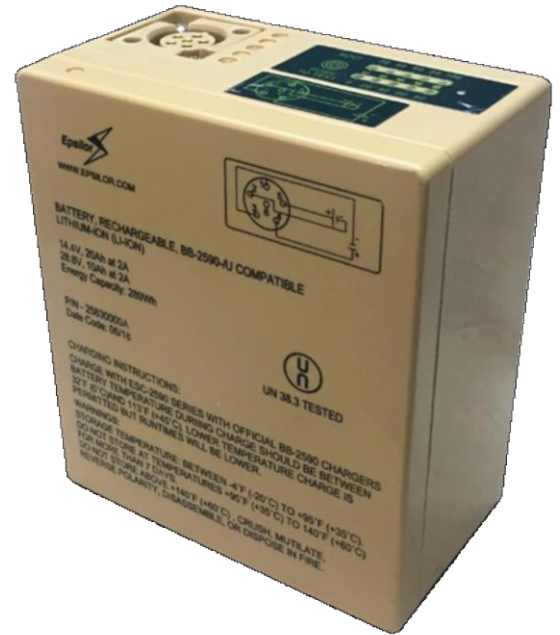


BB-2590/U COMPATIBLE

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 (SOC)
- 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-810E
- 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 (HH) |
| Volume energy density | 259Wh/l; 342Wh/l (HH) |
| Battery Housing | ABS |
| Color | Black, NATO tan, custom |

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 |

