



ESC-2590-D

Dual Channel Charger for Li-Ion Battery BB-2590/U

General description

- Dual channel tactical charger for Li-Ion battery of the 2590 series
- Designed for field and depot use
- Identifies and charges all 2590 batteries including originals and compatible models
- LED charging status and main power indicators
- Tough pelican case housing
- Detects damaged batteries and cells
- Universal Power input (100 – 240VAC) that supports global operation



Applications

Defense, HLS, tactical communications, robotics, EW and more

Charge Method (CCCV)

- Parallel charging of 2 batteries through dual channels that separately charge internal packs
- Charging Voltage: 16.8V
- Max. charging current: 3A

Interfaces

- AC Input plug: CEE7/16 Europlug (other plugs are optional)
- DC output charging connector: 2590 docking

Safety

- Input: short/open circuit, over/under temperature, over/under voltage, discharge protection
- Output: short circuit, overload, reverse polarity, over voltage, over temperature, safety timer

Applicable Standards

- MIL-STD-810-E; MIL-STD-461-E; MIL-STD-1275C

Quality System

- ISO-9001:2008; AS-9100

Disposal

- Check with manufacturer

Electrical

| | |
|---------------------|--|
| AC Input Voltage | 95 – 260 VAC |
| AC Input Frequency | 47 – 63Hz |
| DC Input | 22 – 31 VDC (MIL-STD-1275A) |
| Output Voltage | 16.4 – 17.0 VDC (adjusting to battery) |
| Output Max. Current | 3.1A per section |
| Output Max. Power | 229 W |

Mechanical

| | |
|--------------------|---------------------|
| Dimensions (L,W,H) | 474mm; 358mm; 252mm |
| Weight | 6.0 kg |
| Housing | ABS |
| Color | Black |

Environmental

| | |
|----------------|---|
| Charge | -0°C to 50°C (for charging in temperatures below 0°C, contact manufacturer) |
| Storage | -40°C to 70°C |
| Humidity | 0 to 90% |
| Transportation | Non dangerous goods |

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