

# ESC-2800-D

Dual Channel Charger for ELI-2800 Battery

## General description

- Dual channel charger for Li-Ion batteries of the 2800 series
- Designed for field and depot use
- Identifies battery type to assure charge profile
- LED charging status and main power indicators
- Tough Aluminum housing
- Detects damaged batteries and cells
- AC and DC universal power inputs (12-32 VDC / 103 – 265 VAC)



## Applications

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

## Charge Method (CCCV)

- Parallel charging of 2 batteries
- Charging Voltage: 8.4 VDC
- Max. charging current: 2.5 A per channel

## Interfaces

- AC Input plug: CEE7/16 Europlug (other plugs are optional)
- DC Vehicle input
- Communication: One wire battery communication

## 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

## Standards

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

## Quality System

- ISO-9001:2008; AS-9100

## Disposal

- Check with manufacturer

## Electrical

AC Input Voltage	103 – 265 VAC
AC Input Frequency	47 – 63Hz
DC Input	12 – 32 VDC (MIL-STD-1275A)
Output Voltage	8.4 VDC (adjusting to battery)
Output Max. Current	2.5 A per section
Output Max. Power	42 W

## Mechanical

Dimensions (Max.)	(L,W,H): 188mm; 120mm; 80mm
Weight	1.1 kg (with cables and AC/DC Converter)
Housing	Aluminum
Color	NATO Green

## Environmental

Charge	-0°C to 45°C (for charging in temperatures below 0°C, contact manufacturer)
Storage	-40°C to 70°C
Humidity	0 to 90%
Transportation	Non dangerous goods

