



# ESC-LI145-12CH

Twelve Channel Charger for  
Integrated Soldier System Suit



## General description

- Twelve channel tactical charger for Li-80, 145, 175, 200 batteries
- 1 charge connector for US Conformal Battery NSN 6140-01-622-5688
- Scavenge mode
- Provision for external discharger

## Applications

Nett Warrior

## Charge Method

- Constant Current Constant Voltage (CCCV)
- Charge time of 12 x LI-145 batteries to 80% RSOC – 2:45h
- Charge time of 12 x LI-145 batteries to 100% RSOC – 4:10h

## Interfaces

- AC: 90-260V AC (Nom. 120V AC) @ 50-60Hz @ 15Amps max
- DC: 8-36V DC (Nom. 28V DC) @ 15.0 Amps max
- Scavenger mode: 10.0-16.5V @ 2.0Amps max

## Safety

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

## Applicable Standards

- MIL-STD-810-F; MIL-STD-461-E; MIL-STD-1275D

## Quality System

- ISO-9001:2015; AS-9100D

## Disposal

- Check with manufacturer

## Electrical

AC Input Voltage	95 – 260 VAC
AC Input Frequency	47 – 63Hz
DC Input	19 – 31 VDC
Output Voltage	5.0 – 17.0 VDC (adjusting to battery)
Output Max. Current	2.8 per battery slot section

## Mechanical

Dimensions (L,W,H)	516mm; 396mm; 281mm
Weight	16.4 kg
Housing	UL94-V0 flame-retardant plastic
Color	Black

## Environmental

Charge	-0°C to 45°C
Storage	-20°C to 71°C
Humidity	0 to 100%
Transportation	Non dangerous goods

