DSEEXTRA®
BATTERY CHARGERS AND EXPANSION MODULES.

DSE9140 / DSE9260
10 AMP 12 VOLT/10 AMP 24 VOLT SWITCH MODE BATTERY CHARGERS

The 10 Amp Battery Chargers have been designed to be permanently connected to a battery, keeping it charged to maximum capacity.

The chargers can be mounted to the chassis using the fixing points built into the case. The chargers stylish design includes two LED indicators on the front to show when the charger is connected to the mains and to indicate when a fault condition occurs.

To improve reliability the chargers do not include any moving parts. They will also continue to operate during cranking and running. Both chargers can also accept multiple voltage connections.

ADVANCED FEATURES

Multi-Stage Intelligent Charging
- Constant current. Maximum current available during charge recovery phase
- Constant voltage
- Chargers automatically return to float mode when charging is complete

Low Output Ripple
- Makes the chargers ideal for all battery types

Full Protection
- Reverse polarity protection, short circuit protection and current limiting
- Automatic recovery after the removal of fault conditions

Boost Mode
- Boosts and equalises cell charge improving battery performance and life
- Simple boost connection using on-board terminals

Power Save Mode
- Once the battery is fully charged the chargers switch to Eco-Power to save energy

STANDARD FEATURES
- Suitable for a wide range of battery types
- No moving parts
- Switched mode design
- Charger fail output
- Minimum 80% efficiency throughout full operating range

SPECIFICATION

DC OUTPUT
12V DC or 24V DC

AC INPUT
10 Amp 12 Volt
85V – 305V absolute voltage range
10 Amp 24 Volt
85V – 305V absolute voltage range

OUTPUT CURRENT
10 Amp 12 Volt at 13.7 V DC
10 Amp 24 Volt at 27.4 V DC

REGULATION
10 Amp 12 Volt
Line <1%
Load <2%Vo
10 Amp 24 Volt
Line<1%
Load <2%Vo

OPERATING TEMPERATURE RANGE
-30°C to + 55°C

CASE
Metal

DIMENSIONS
186mm x 153mm x 63mm
7.3" x 6" x 2.5"

WEIGHT
10 Amp 12 Volt
0.7Kg
10 Amp 24 Volt
0.8Kg

PROTECTIONS
Short Circuit
Over Current, Reverse Polarity

ENVIRONMENTAL TESTING STANDARDS

ELECTRO MAGNETIC CAPABILITY
BS EN 61000-6-2
EMC Generic Emission Standard for the Industrial Environment
BS EN 61000-6-4
EMC Generic Emission Standard for the Industrial Environment

TEMPERATURE
BS EN 60068-2-2
Test Ab to +70°C 60067-2-2 Hot
Test Ab to -30°C 60068-2-1 Cold

VIBRATION
BS EN 60068-2-6
Ten sweeps in each of three major axes
5Hz to 8Hz @ +/-7.5mm, 8Hz to 500Hz @ 2gn

HUMIDITY
BS 2011 part 2.1 60068-2-30
Test Cb Ob Cyclic
93% RH @ 40°C for 48 hours

SHOCK
BS EN 60068-2-27
Three shocks in each of three major axes
15gn in 11mS

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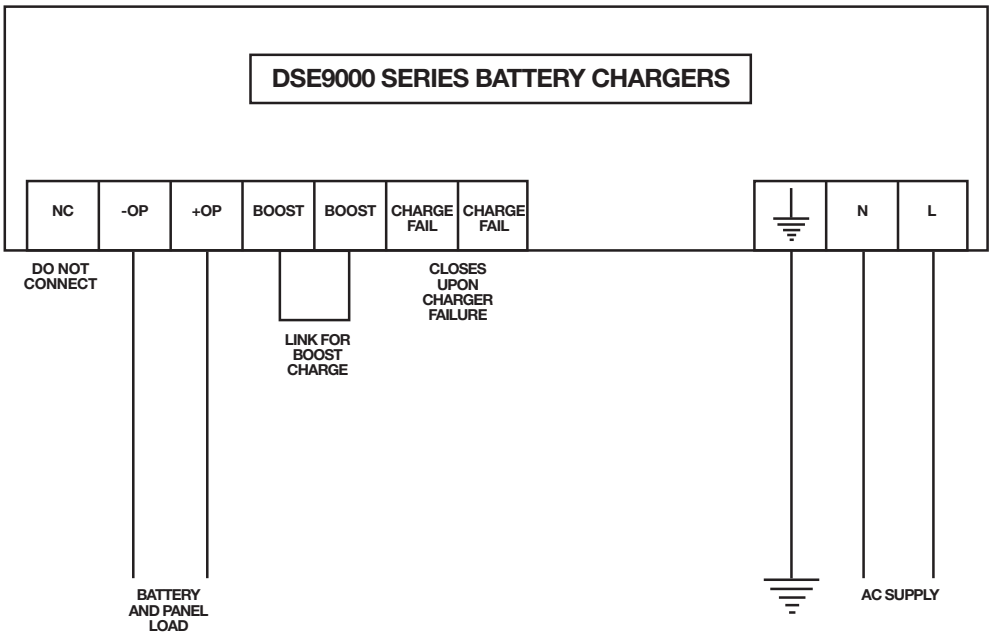
TYPICAL BATTERY CHARGER CONNECTION DIAGRAM



RELATED MATERIALS

TITLE	PART NO'S
DSE9000 Series Operation Manual	057-085
DSE9000 Series Installation Instructions	053-049

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