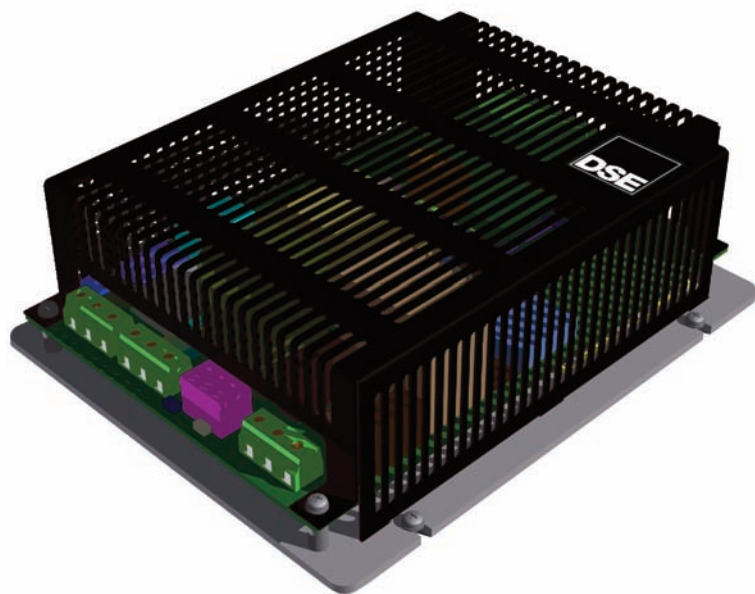


DSE EXTRA[®] BATTERY CHARGERS AND EXPANSION MODULES.

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 batteries, keeping them charged to their 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

DSE

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 27.6 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

DEEP SEA ELECTRONICS PLC

Highfield House
 Hunmanby Industrial Estate
 Hunmanby, North Yorkshire
 YO14 0PH England

TELEPHONE

+44 (0)1723 890099

FACSIMILE

+44 (0)1723 893303

EMAIL

sales@deepseapl.com

WEBSITE

www.deepseapl.com

Registered in England & Wales No.01319649

VAT No.316923457

DEEP SEA ELECTRONICS INC

3230 Williams Avenue
 Rockford
 IL 61101-2668 USA

TELEPHONE

+1 (815) 316 8706

FACSIMILE

+1 (815) 316 8708

EMAIL

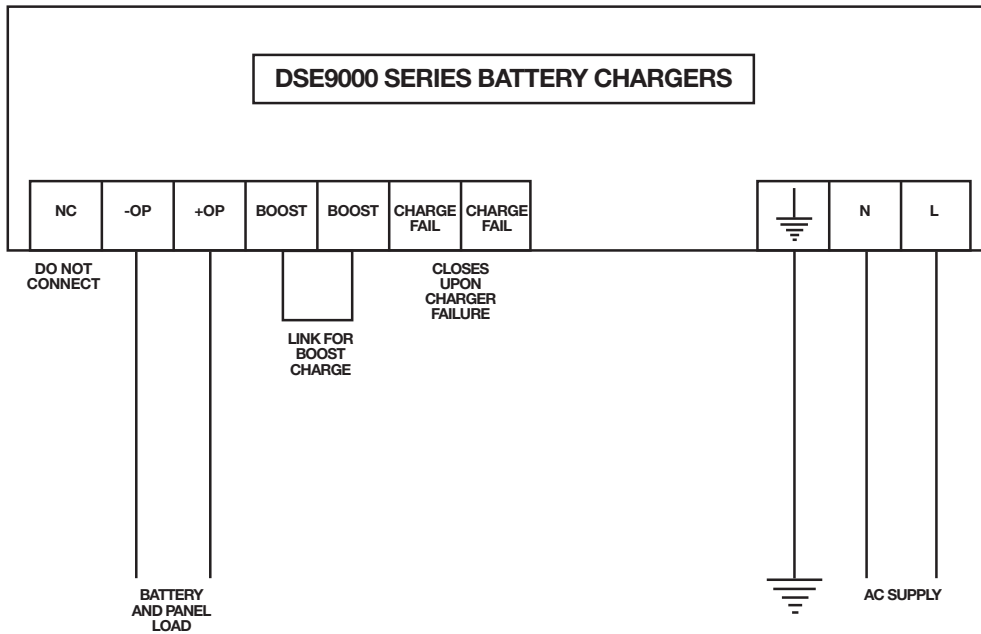
sales@deepseausa.com

WEBSITE

www.deepseausa.com



TYPICAL BATTERY CHARGER CONNECTION DIAGRAM

**RELATED MATERIALS**

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

DEEP SEA ELECTRONICS PLC maintains a policy of continuous development and reserves the right to change the details shown on this data sheet without prior notice. The contents are intended for guidance only.

This data sheet is printed on 9lives 55 Silk, which is produced with 55% recycled fibre from both pre and post-consumer sources, together with 45% virgin ECF fibre.

