

DSE**9130,** DSE**9150,** DSE**9155 &** DSE**9255** COMPACT BATTERY CHARGERS

2 AMP, 3 AMP & 5 AMP OPTIONS

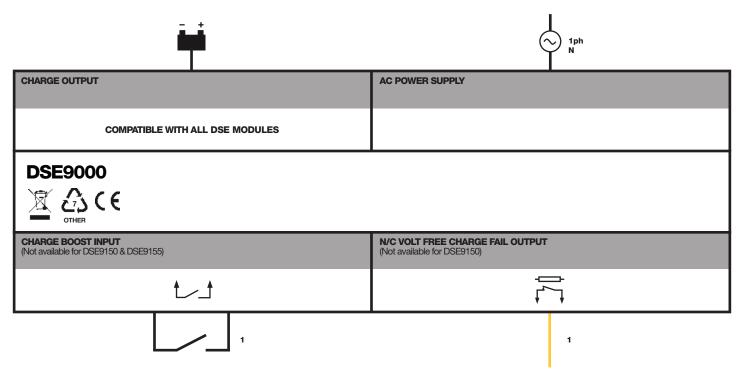
FEATURES					

The 2 Amp, 3 Amp and 5 Amp Battery Chargers have been designed to be permanently connected to a battery, keeping it charged to maximum capacity.

The chargers can be either mounted via DIN rail or to the chassis, using the fixing holes that are built into the case. The chargers stylish design includes an LED indicator on the front that shows when the charger is in a normal or overload condition. The chargers will continue to operate during cranking and running. All chargers can accept multiple AC voltage connections.

The DSE battery chargers are expertly designed using high-grade components and capacitors allowing the units to function more efficiently, providing a longer and more reliable life-span than other chargers in their class. Their inbuilt robustness makes them ideal for the rigours of a wide variety of markets including heavy and light industrial environments.

FEATURE LIST TO SUIT A WIDE VARIETY OF APPLICATIONS





ENVIRONMENTAL TESTING STANDARDS

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

TEMPERATURE BS EN 60068-2-1 Ab/Ae Cold Test -30 °C BS EN 60068-2-2 Bb/Be Dry Heat +55 °C

VIBRATION

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

HUMIDITY

BS EN 60068-2-30 Db Damp Heat Cyclic 20/55 °C @ 95% RH 48 Hours BS EN 60068-2-78 Cab Damp Heat Static 40 °C @ 93% RH 48 Hours

SHOCK

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







DSEPower



Boost Mode

Boosts and equalises cell

performance and life

• Once the battery is fully

on-board terminals

Power Save Mode

charge improving battery

Simple boost connection using

charged the chargers switch to

Eco-Power to save energy



DSE9150 - 3 A 12 V

DSE9130 - 5 A 12 V DSE9155 - 2 A 30 V DSE9255 - 5 A 24 V

ADVANCED FEATURES

Multi-Stage 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

RELATED MATERIALS

TITLE

DSE9000 Series Installation Instructions DSE9000 Series Operator Manual

DEEP SEA ELECTRONICS PLC UK

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KEY BENEFITS

- Suitable for a wide range of battery types
- No moving parts for longer battery charger life
- Switched mode design
- Minimum 80% efficiency throughout full operating range

Paralleling Feature

PART NO'S

053-049 057-085

Multiple modules can be linked together to provide larger current output

SPECIFICATION

AC SUPPLY FREQUENCY RANGE 48 Hz to 64 Hz

DSE9130 & DSE9255 VOLTAGE RANGE 90 V to 305 V (L-N)

DSE9150 VOLTAGE RANGE 90 V to 265 V (L-N)

DSE9155 VOLTAGE BANGE 85 V to 265 V (L-N)

DC OUTPUT DSE9130 OUTPUT

5 A DC 12 V DC at 13.7 V DC

DSE9150 OUTPUT 3 A DC 12 V DC at 13.7 V DC

DSE9155 OUTPUT 2 A DC 30 V DC at 34.3 V DC

DSE9255 OUTPUT 5 A DC 24 V DC at 27.4 V DV

RIPPLE AND NOISE

EFFICIENCY >80%

REGULATION LINE

<0.001% Vo

LOAD

PROTECTIONS

Short Circuit Over Voltage Over Current Reverse Polarity

DIMENSIONS DSE9150 DIMENSIONS

108 mm x 101 mm x 49 mm 4.2" x 4" x 1.9"

WEIGHT 0.16 kg

DSE9130, DSE9155 & DSE9255 DIMENSIONS

136 mm x 140 mm x 63 mm 5.4" x 5.5" x 2.5"

WEIGHT 0.5 kg

OPERATING TEMPERATURE RANGE -30 °C to +55 °C -22 °F to +122 °F

STORAGE TEMPERATURE RANGE -40 °C to +85 °C -40 °F to +185 °F

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