



DSE9476: 24 V, 20 A Battery Charger Installation Instructions



DANGER OF DEATH: LIVE PARTS exist within the DSE9476 enclosure. The enclosure cover must not be removed.

INSTALLATION

The DSE9476 is a 24 V, 20 A battery charger which is designed to be mounted within a control panel, utilising the integral mounting holes. The DSE9476 battery charger is fit-and-forget. It may be permanently connected to the A.C. supply and the load, with no requirement to disable the charger during times of heavy load (such as engine cranking) or when in parallel with a charging alternator.

BATTERY SUITABILITY

The charger is factory set by DSE to suit Lead Acid batteries, configuration is possible to suit other battery types using the DSE Configuraiton Suite PC Software which is available from www.deepseapl.com. Care must be taken to ensure the batteries connected to the charger are of the correct 'technology' to suit the setting of the charger.

INDICATIONS

The DSE9476 Battery Charger features LED indicators to show the battery charger status.

DIMENSIONS AND MOUNTING

Parameter	Specification
Case Dimensions	248 mm x 183 mm x 76 mm (9.74 " x 7.19 " x 3.00 ")
Mounting Holes Dimensions	Suitable for M5 (0.23 " diameter)
Mounting Hole Spacings	233 mm x 150 mm (9.17 " x 5.91 ")

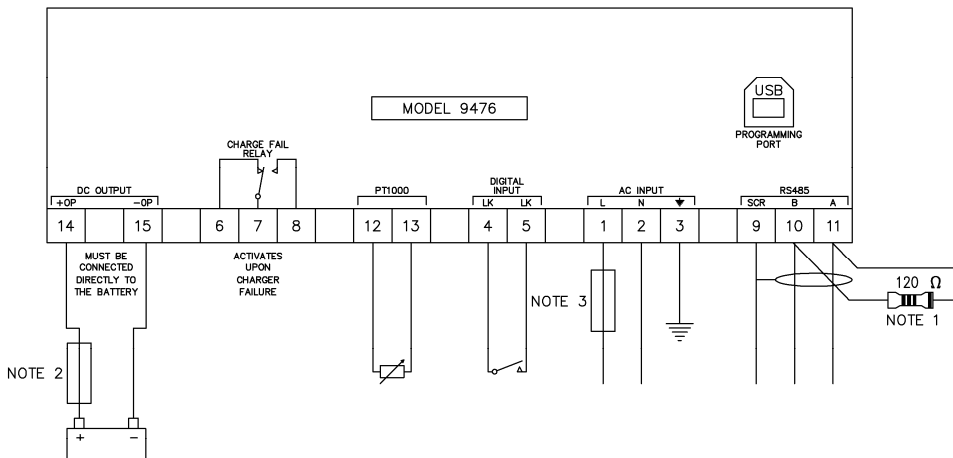


NOTE: The DSE9476 battery charger is designed to be mounted with the base to a vertical surface with the terminal strips at the bottom.



NOTE: This document is intended as a 'quick start' guide only. For full operating instructions and specifications, refer to DSE publication: *057-282 DSE9476 Operator Manual.*

TYPICAL CONNECTION DIAGRAM



NOTE 1

A 120 OHM TERMINATION RESISTOR MUST BE FITTED IF IT IS THE FIRST OR LAST DEVICE ON AN RS485 LINK

NOTE 2

FUSE APPROPRIATELY AND AS CLOSE TO THE BATTERY AS POSSIBLE TO PROTECT THE CABLES AND BATTERY

NOTE 3

FUSE APPROPRIATELY AND AS CLOSE TO THE BATTERY CHARGER AS POSSIBLE TO PROTECT THE CABLES AND BATTERY

Parameter	Specification	
Connection Type	Screw terminal, rising clamp, no internal spring	
Min Cable Size (AC Supply)	2.0 mm ² (AWG 15)	
Min Cable Size (Charge Output)	1.0 mm ² (AWG 18)	
Min Cable Size (All Other Connections)	0.5 mm ² (AWG 20)	
Max Cable Size (AC Supply)	3.3 mm ² (AWG 12)	
Max Cable Size (All Other Connections)	2.5 mm ² (AWG 14)	
Recommended AC Fuse	230 V AC Input 5.0 A anti-surge	110 V AC Input 10.0 A anti-surge

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