

# DSE2541

## REMOTE BATTERY CHARGER DISPLAY MODULE

### FEATURES



The DSE2541 is a remote display module designed to work with the range of DSE intelligent and enclosed battery chargers upto a maximum distance of 1.2 km using RS485.

Displaying charge output, state of charge cycle, mains (utility) supply and fault indication of the connected battery charger enables an advanced remote monitoring solution.

The connected battery charger can be controlled remotely through simple and user-friendly control buttons, for example the connected battery charger's output and boost mode can be turned on or off.

All configuration for the DSE2541 and connected battery charger can be achieved via the fascia of the DSE2541, making the system quick and easy to install.

### 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

#### ELECTRICAL SAFETY

BS EN 60950  
Safety of Information Technology Equipment, including Electrical Business Equipment

#### TEMPERATURE

BS EN 60068-2-1  
Ab/Ae Cold Test -30 °C  
BS EN 60068-2-2  
Bb/Be Dry Heat +70 °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

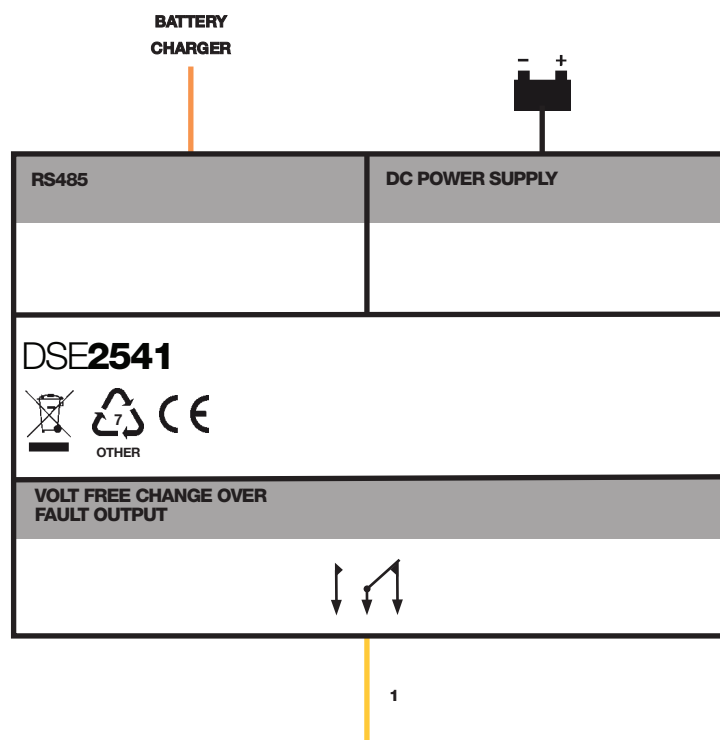
#### SHOCK

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

#### DEGREES OF PROTECTION PROVIDED BY ENCLOSURES

BS EN 60529  
IP65 - Front of module when installed into the control panel with the optional sealing gasket.

## COMPREHENSIVE FEATURE LIST TO SUIT A WIDE VARIETY OF BATTERY CHARGER APPLICATIONS



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### KEY BENEFITS

- Large back-lit icon display
- Remote communication distance of up to 1.2 km from battery charger
- Compatible with DSE94xx series of battery chargers
- Configuration via the fascia for connected battery charger
- LCD alarm indication
- 1 volt-free change-over fault output
- Remote battery charger and charge cycle monitoring
- Remote boost and battery charger output control
- Remote battery charger configuration without the need for a computer

### KEY FEATURES

- User-friendly set-up and button layout for ease of use
- Multiple parameters are displayed simultaneously which are clearly displayed on the large back-lit icon display
- Compatible with a wide range of DSE battery chargers
- IP65 rating (with optional gasket) offers increased resistance to water ingress

### SPECIFICATION

**DC SUPPLY**  
**CONTINUOUS VOLTAGE RATING**  
8 V to 35 V Continuous

**CRANKING DROPOUTS**  
Able to survive 0 V for 50 mS, providing supply was at least 10 V before dropout and supply recovers to 5 V. This is achieved without the need for internal batteries. LEDs and backlight will not be maintained during cranking.

**MAXIMUM OPERATING CURRENT**  
80 mA at 12 V, 75 mA at 24 V

**MAXIMUM STANDBY CURRENT**  
65 mA at 12 V, 60 mA at 24 V

**FAULT OUTPUT**  
3 A at 30 V DC volt-free relay

**DIMENSIONS**  
**OVERALL**  
140 mm x 113 mm x 43 mm  
5.5" x 4.4" x 1.7"

**PANEL CUT-OUT**  
118 mm x 92 mm  
4.6" x 3.6"

**MAXIMUM PANEL THICKNESS**  
8 mm  
0.3"

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

**OPERATING TEMPERATURE RANGE**  
-30°C to +70°C  
-22 °F to +158 °F

### OPTIONAL PARTS

| PART        | PART NUMBER |
|-------------|-------------|
| IP65 Gasket | 020-282     |

### RELATED MATERIALS

**TITLE**  
DSE2541 Installation Instructions  
DSE9460 & DSE9461 Operators Manual  
DSE9xxx Operator Manual  
DSE9474 Operator Manual

**PART NO'S**  
053-154  
057-176  
057-085  
057-231

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