

# DSE160

## SELF SEEKING POWER SUPPLY

### FEATURES



The DSE160 is a self-seeking power supply designed to work with DSE300 Series Auto Transfer Switch Controllers.

The module can be supplied from mains (utility), generator or battery and provides a power supply output for ATS controllers.

The module will provide DC power to the modules and when the mains/utility power is lost, will automatically switch to providing power from either the generator or battery.

The module is housed within a sleek plastic casing for DIN rail or chassis mounting and incorporates 3 red LEDs to show the system status.

With short circuit protection, the module offers many features and is available in 12 V and 24 V options.

### ENVIRONMENTAL TESTING STANDARDS

#### ELECTRO-MAGNETIC COMPATIBILITY

BS EN 61000-6-2:2005  
BS EN 61000-6-4:2007

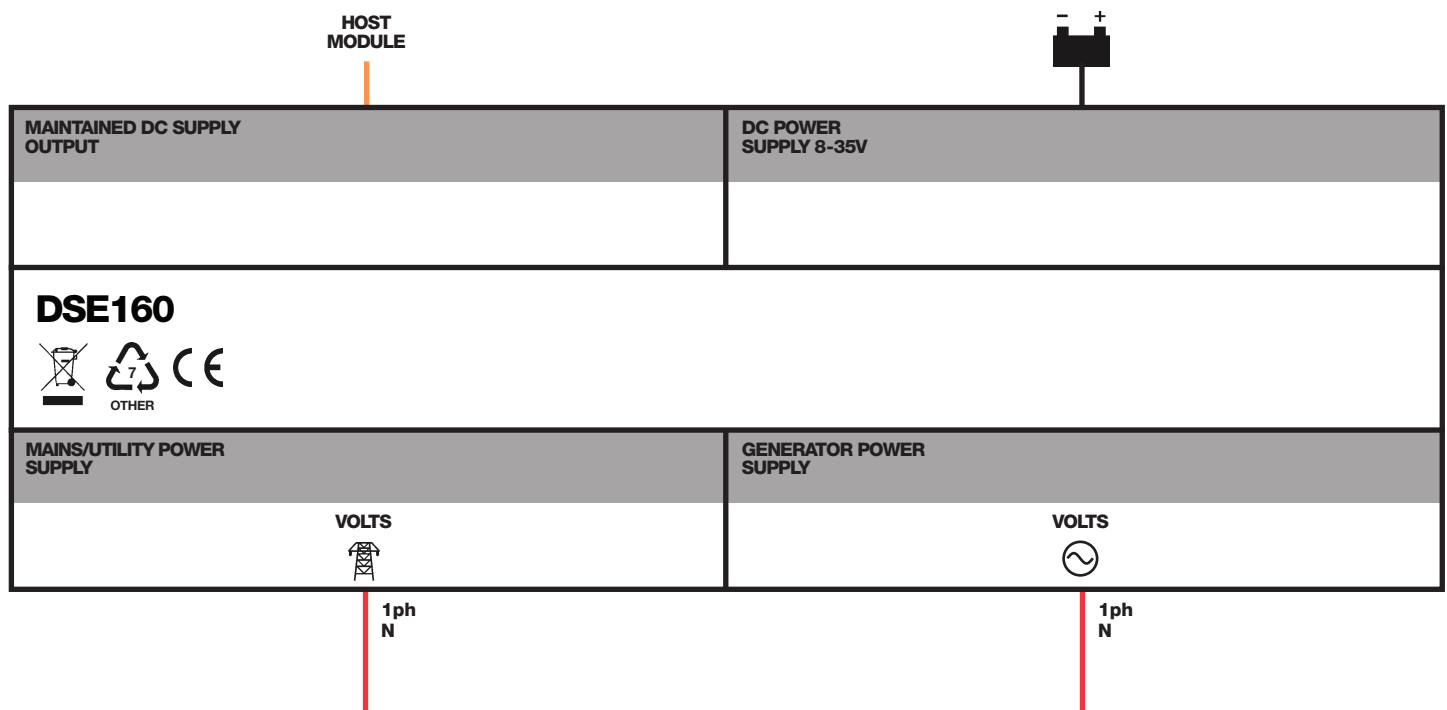
#### ELECTRICAL SAFETY

BS EN 60950-1:2006

#### OPERATING TEMPERATURE

-30°C to + 60°C

## COMPREHENSIVE FEATURE LIST TO SUIT A WIDE VARIETY OF GEN-SET APPLICATIONS



# DSE160

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### FEATURES



### KEY FEATURES

- 12 V and 24 V options
- LED indication
- Can be used as an AC-DC power supply
- Can be powered from mains (utility), generator or battery
- Wide operating input voltage
- Output auto restart short circuit protection
- Output over voltage protection
- Less than 1% output ripple

### SPECIFICATION

#### AC SUPPLY

**VOLTAGE RANGE**  
90 V to 305 V (L-N)

#### FREQUENCY RANGE

48 Hz to 64 Hz (L-N)

#### DC OUTPUT

**OUTPUT**  
1 A DC at 12 V DC  
1 A DC at 24 V DC

#### CURRENT LIMIT

1.5 A DC

#### RISE TIME

<20 ms

#### RIPPLE AND NOISE

<1%

#### EFFICIENCY

>80%

#### REGULATION

**LINE**  
<0.1%  $V_o$

#### LOAD

<5%  $V_o$

#### PROTECTIONS

Short Circuit  
Over Current  
Reverse Polarity

#### DIMENSIONS

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

#### WEIGHT

0.5 kg

### RELATED MATERIALS

#### TITLE

DSE160 Installation Instructions  
DSE160 Operator Manual  
DSE332 Data Sheet  
DSE333 Data Sheet

#### PART NO'S

053-065  
057-108  
055-075  
055-080

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