

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

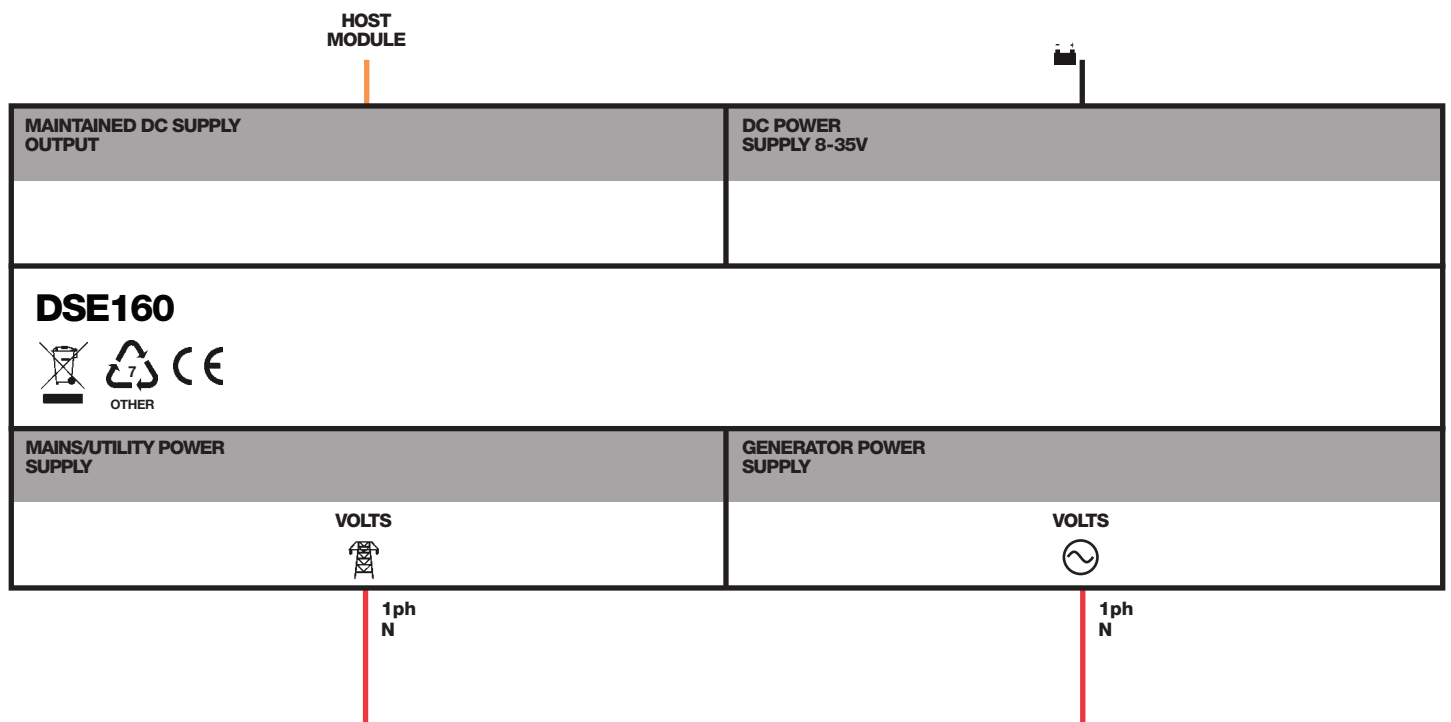
ELECTRICAL SAFETY

BS EN 60950-1:2006

OPERATING TEMPERATURE

-30°C to + 60°C

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



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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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