

# 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.

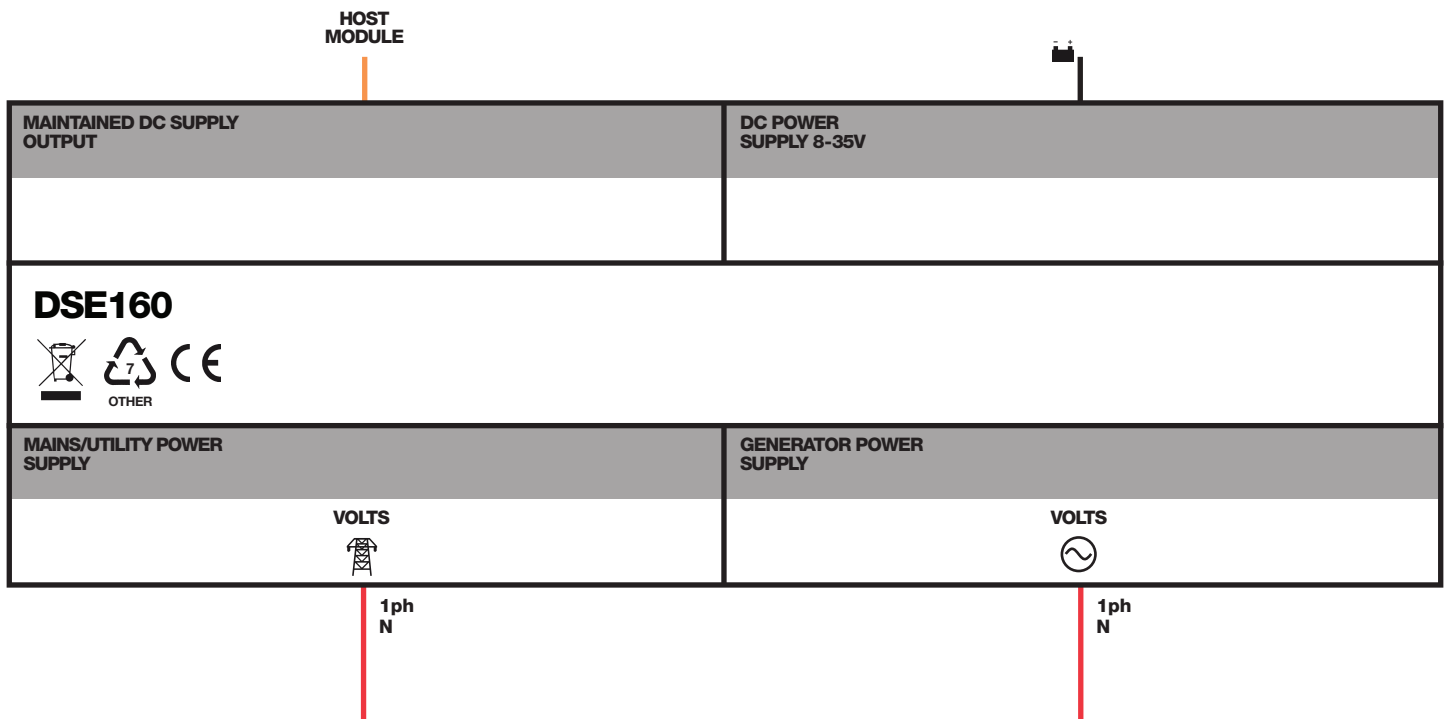
### ENVIRONMENTAL TESTING STANDARDS

**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

## SELF SEEKING POWER SUPPLY

### 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

### DEEP SEA ELECTRONICS PLC UK

Highfield House, Hunmanby Industrial Estate, Hunmanby YO14 0PH  
**TELEPHONE** +44 (0) 1723 890099 **FACSIMILE** +44 (0) 1723 893303  
**EMAIL** sales@deepseapl.com **WEBSITE** www.deepseapl.com

### DEEP SEA ELECTRONICS INC USA

3230 Williams Avenue, Rockford, IL 61101-2668 USA  
**TELEPHONE** +1 (815) 316 8706 **FACSIMILE** +1 (815) 316 8708  
**EMAIL** sales@deepseausa.com **WEBSITE** www.deepseausa.com