

## Standby Power Supply



- The DD141 is a compact wall mounted standby power supply
- Telecomm filtering
- 110/230V AC input
- Provision for internal 65 Ah or 110 Ah SLA Battery
- Temperature compensation
- Battery low voltage disconnect
- Optional Metering (V & I)
- Alarm Contact (Mains fail, Output Hi & Lo)

### INPUT

Voltage	: Selectable 110V or 230V $\pm 6\%$ -15% AC Single Phase
Current	: 110V – 5A : 230V – 2.7A
Frequency	: 50 $\pm$ 2Hz

### OUTPUT

Voltage	: 13.8 V Float at 20 °C
Current	: 15A at Full load
Current Limit	: 20A
Regulation	: $\pm$ 2%
Ripple	: <2mV Psophometric <10mV rms (10KHz – 100MHz)
Efficiency	: >80% at 35% to full load

### PROTECTION

Fuses	: Input – 5A 20mm A/S : Output – 16A NIT : Battery – 25A NIT
DC Fault	: Output overvoltage shutdown : Output short circuit protection : Current Limited
Battery	: Low voltage disconnect : Temperature Compensation

### INDICATORS AND ALARMS

Mains Present	: Front Panel neon indicator
Contacts	: Volt-free normally-closed contact
Alarms	: Mains Fail : DC Voltage High : DC Voltage Low

### ENVIRONMENTAL

Cooling	: Natural Convection
Temperature	: -20°C to +45°C operational : -25°C to +60°C transport/storage
Relative Humidity	: 0-90% non-condensing
Altitude	: to 3,000 metres

Safety	: Compliant with Low Voltage Directive <b>CE</b>
EMC	: Compliant with EMC Directive <b>CE</b>

### MECHANICAL

Size	: 500mm x 500mm x 350mm (HxWxD)
Weight	: 29kg (excluding battery)
Level of Protection	: IP42

### METERING (Optional)

Type	: 72mm Square Analogue
Location	: Front Panel
Variants	: DD141-1 No Meter : DD141-2 DC Volts & Current : DD141-3 DC Volts