



RED BOX
INTERNATIONAL®

MODEL RBSC100

PORTABLE 28V DC POWER FOR WORKSHOP OR FIELD CONTINUOUS 100 AMP OUTPUT



A compact, lightweight and highly portable power unit. Designed to give continuous high quality DC power for crew training, aircraft servicing in the workshop, on the ramp or in the field. This continuous high power model is ideal for diagnostic work, pre flight checks or for continuous powering of equipment during operations, without draining the onboard aircraft batteries.

There is a range of built in safety features and the units are simple to use. As standard the units will produce a steady 28.8 Volts up to the fully rated output current with power factor correction.

The power supplies are multi fan cooled with inbuilt thermal management for operation up to 50°C ambient environments. The safety features include; Internal AC Residual Current Protection, Overload and Short Circuit protection. The power modules conform to EMC standards for noise emissions and immunity. Delivered as standard this unit is supplied with a 2m heavy duty lead, fitted with a 3 pin NATO connector for direct aircraft connection, but extra extension and alternative format connections are available.

FEATURES

- Direct connection to aircraft or land vehicle.
- Aircraft cable available from 2m to 6 m.
- Rugged steel case.
- RCD safety protection.
- Digital Voltmeter / Ammeter.
- System Status Display / Fault Codes.
- Multi fan cooled.
- Supplied with input cable to length required

SPECIFICATION

• Output current.	100 amps
• Output voltage.	28.8 VDC
• Output Ripple.	<250 mV
• Input Frequency.	45 - 65 Hz
• AC input supply.	190V - 260 V
• Power factor correction.	Included
• Input rating.	3500 VA

GENERAL

- Operating temp. 0° to +50° C.
- Dims Body (mm). (W) 250 x (L) 580 x (H) 300
- Weight. 15 Kg / (nominal)
- Part number. RBSC100

PROTECTION

- Overload.
- Over Voltage.
- Over Current.
- Short Circuit.
- 30mA RCD.
- Thermal Management (2 stage).

SAFETY & EMC (Power modules)

- EN 60950.
- IEC 335-2-29.
- Emission – EN 50081-1 EN 55014.
- Immunity – EN 50082-2 EN 55104.