



Long Life Reliability
does not cost the earth

Connection Systems



RED BOX
AVIATION

MODEL RBSC300 28.8V

Portable DC power supply with continuous 300 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 power supply 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 easy to use. This switchable unit will produce a steady 27.6 or 30 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 over current 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 5m heavy duty lead, fitted with a 3 pin NATO connector for direct aircraft connection. Other connectors including vehicle connectors are available.

FEATURES

- Direct connection to aircraft or land vehicle
- Available cable - standard 5M - extensions available on request
- Trimmable voltage output for voltage sensitive aircraft
- Rugged steel case with handle / towbar options
- Digital backlite LCD display for voltage / current and system status
- Automatic multi-fan cooled, with green low power standby mode
- Supplied with input cable to required length

PROTECTION

- Overload
- Over voltage
- Over current
- Short circuit
- 30mA RCD
- Thermal management

SAFETY & EMC

- EN 61000-4-2
- EN 61000-4-3
- EN 61000-4-4
- EN 61000-4-5
- EN 61000-4-6
- EN 61000-4-8
- EN 55011 / EN 55032
- EN 61000-3-2 / EN 61000-3-3
- IEC 62368-1 / IEC 60601



RBSC300 SPECIFICATION

Output current	300 amps
Output voltage	28.8VDC (trimmable on request)
Output ripple	<250 mV
Input frequency	47 to 63 Hz
AC input supply	3 phase 200V to 460V L-L no neutral required (4 wire)
Phase	3Ø
Power factor correction	PF > 0.97
Input rating	10500 VA
Operating temperature	0°C to +50°C
Dims body	L 910 x W 800 x H 610
Weight (KG)	70
Part number	RBSC300



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Specification may change without notice

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