



Long Life Reliability  
does not cost the earth

## Connection Systems



**RED BOX AVIATION**

# MODEL RBSC400 28.8V

## Portable DC power supply with continuous 400 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



### RBSC400 SPECIFICATION

Output current	400 amps
Output voltage	28.8VDC (trimmable on request)
Output ripple	<160 mV
Input frequency	47 to 63 Hz
AC input supply	3 phase 200 to 500 V L-L no neutral required (4 wire)
Phase	3Ø
Power factor correction	PF > 0.97
Input rating	12,500 VA
Operating temperature	0°C to +50°C
Dims body trolley wheeled	960 x 570 x 520 mm
Weight (KG)	100
Part number	RBSC400



enquiries@lpa-connect.com  
+44(0) 1799 512800  
www.lpa-group.com  
www.redboxaviation.com

Light & Power House  
Shire Hill  
Saffron Walden, Essex  
CB11 3AQ, UK

Specification may change without notice

REV-04-24-1