



MODEL RBSC100 14/28V

Portable DC power supply with continuous 100 amp output

The Red Box RBSC100 is a compact, lightweight and highly portable power unit. Designed to supply reliable continuous DC power for a wide range of aviation requirements, including crew training, and aircraft servicing. The RBSC is suited for diagnostic work, pre flight checks or for continuous powering of equipment during operations, without draining the onboard aircraft batteries. This switchable unit will produce a steady 14.4 or 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 over current and short circuit protection.



Key Features and Benefits

Direct connection to aircraft

Aircraft cable available from 2m to 6m

Rugged lightweight aluminium case

RCD safety protection

Digital display with backlite – volts / amps / input status

Multi fan cooled – temperature controlled

Both input and output cables removable for easy storage

Supplied with input cable to required length

Several options of output cable length and connections

User switchable between 14V and 28V



PROTECTION

Output overload
Over voltage / current limit
Short circuit
30mA RCD
Advanced energy saving thermal fans

SAFETY & EMC

Emissions: EN 55032 class A, EN 61000-3-2
Immunity: EN 61000-4-2, EN 61000-4-3
Safety: IEC 62368-1 (2014)

DIGITAL DISPLAY



RBSC100 SPECIFICATION

Output current	100 amps at above 180 VAC supply Auto reduction to 60 amps below 180 VAC
Output voltage	14.4V or 28.8VDC Auto 2 stage - pro mode, trimmable from 27.6 to 30 VDC
Output ripple	Accuracy ± 0.15 Volts – Ripple less than ± 150 mV
Input frequency	47 to 63 Hz
AC Input supply	95-264V
Phase	1Ø
Power factor correction	Included
Input rating	3000VA
IP rating	55* for use on level ground
Dims body (cm)	L45 x W20 x H23
Weight (KG)	9
Part number	RBSC100

PLUG SELECTOR

UK plug selector	220VAC 16 amp standard can be reduced to 13 amp (13 amp output is reduced to 80 amp)
USA plug selector	115 VAC 15 amp NEMA 5-15 (60 amp) or 220 VAC 15 amp NEMA 6-15 (100 amp)
Other countries	Please state country when ordering



Specification may change without notice
REV-0-24-1



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