

RBSC100

CONTINUOUS POWER

PORTABLE DC POWER SUPPLY - CONTINUOUS 100 AMP OUTPUT @ 14V OR 28V DC

PRODUCT DESCRIPTION

A compact, lightweight and highly portable power unit. Designed to give continuous high quality DC power for crew training, aircraft servicing in workshops, on the ramp or in the field. This continuous high power model is ideal for diagnostic work, pre flight checks, charging the on board battery 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 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; 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 lightweight Aluminium case.
- RCD safety protection.
- Digital display with backlite -Volts / Amps / Input Status.
- System status on display with input voltage or errors.
- Multi fan cooled – Temperature controlled.
- Both input and output cables removable for easy stowage.
- Supplied with input cable to required length.
- Several options of output cable length and connections.
- User switchable between 14V and 28V.

DIGITAL DISPLAY



SAFETY & EMC

- Emissions: EN55032 Class A, EN61000-3-2
- Immunity: EN61000-4-2, EN61000-4-3
- Safety: IEC62368-1 (2014)

PROTECTION

- Output Overload
- Over Voltage / Current Limit
- Short Circuit
- 30mA RCD
- Advanced energy saving thermal fans



RBPC100 SPECIFICATIONS

Output Current	100Amps at above 180 VAC supply Auto reduction to 60Amps Below 180 VAC
Output Voltage	14.4 or 28.8 Volts Auto 2 Stage – Pro Mode, Trimable from 27.6 to 30 VDC
Output Quality	Accuracy ± 0.15 Volts – Ripple less than ± 150 m
AC Input Supply	95 to 264 VAC
AC Input Frequency	47 to 63Hz
Phase	1 \emptyset
Power Factor	0.98/0.95
Input Rating	3000VA


GENERAL

Operating Temp	-20 to 50°C
IP Rating	55* For use on level ground
Dimension (mm)	450 x 195 x 230 with integral handle
Weight	8.6Kg (Unit only)


PLUG SELECTOR

UK	(220VAC) 16 Amp standard – Can be reduced to 13 Amp for UK Plug (at 13A output is reduced to 80A)
USA	(115VAC) 15A NEMA 5-15 (60Amp) or (220VAC) 15A NEMA 6-15 (100 Amp)
Other Countries	Please state country when ordering

Other Voltage Units Available

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