RBPS50

CONTINUOUS POWER

PORTABLE DC POWER SUPPLY - CONTINUOUS 50 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 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 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. 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. Other connectors including vehicle connectors are available.

FEATURES

- Direct connection to aircraft or land vehicles
- Lightweight Aluminum Case
- IP54 protection, Fan Cooled
- User selectable between 14V and 28V
- Digital Voltmeter / Ammeter
- Removable cables for compact transportation

PROTECTION

- Current – Electronically Limited
- Over Voltage
- Temperature

Safety & EMC

- EN55011:2016+A11:2020
- IEC61207-7:2018
- EMC Radiated EN55011
- EMC Conducted EN55011

INPUT	
Input Voltage	104 to 264 VAC – Single Phase
Input Frequency	47-63 Hz
Power Factor	>0.98 at 115 VAC, >0.97 at 230VAC
Rated Power	50 Amp 1550VA
Efficiency	90%
Input Connector	Neutrik Powercon IP65 3pin Locking
OUTPUT	
Voltage	14.4 or 28.8 User Selectable
Current	50 Amp
Ripple	150mV Peak to Peak
Output Connector	Polarised Anderson Connector
PROTECTION	
Overload	Constant Current Limiting – Auto recovering
Over Temperature	Shut Down and auto-reset on cooling
Cooling	Fan
MECHANICAL & SAFETY	
IP	54
Size	130W x 460D x 220H mm
Weight	6.5 Kg
Working Temperature	-30 to 50 °C
Working Humidity	20 to 90% RH non - condensing

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