



MODEL PS50 14/28V

Portable DC power supply with continuous 50 amp output

The Red Box PS50 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 PS 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

Lightweight aluminum 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

User switchable between 14V and 28V



PROTECTION

Current - electronically limited

Over voltage / current limit

Temperature

SAFETY & EMC

EN 55011:2016+A11:2020

IEC 61207-7:2018

EMC radiated EN 55011

EMC conducted EN 55011

PS50 SPECIFICATION

Output current 50 amps

Output voltage 14.4V or 28.8VDC

Output ripple <150mV

Input frequency 47 to 63 Hz

AC Input Supply 104V-264V

Phase 1Ø

Power factor correction Included

Input rating 1550VA

Dims body (cm) L 46 x W 13 x H 22

Weight (KG) 6.5

Part Number PS50

PLUG SELECTOR

UK plug selector 240V 13 amp (standard mains)

USA plug selector 110V 15 amp (standard mains)

Other countries Please state country when ordering



RED BOX
AVIATION

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



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

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