

## PS50M

28V / 31.5V POWER SUPPLY

The PS50M is a solid state hand-portable combined charger/power supplies delivering a maximum of 50A at pre-set voltages of 28V DC for avionics use or 31.5V DC for the rapid re-charging of Powervamp's unique 28V DC Coolspool portable aircraft start units. Voltage selection is by front-mounted switch.

The PS50M can be connected directly to the aircraft's external ground power receptacle or to any of Powervamp's portable battery start units\* and is primarily for operators of small to medium helicopters, VLJs and DC business jets to citation size requiring a source of clean stable DC power for software updates.

The front-mounted quick-disconnect output connector enables the PS50M to be used as a free-standing portable bench-mounted power supply when used with optional lead sets or alligator clips.

Using an optional connector set, the PS50M can operate in parallel with compatible Powervamp portable start units, delivering continuous power up to their maximum output. Much higher short-term power is then delivered on demand direct from the aircraft start unit.

Automatic input voltage selection 90-264V AC/ 47-63Hz allows international use. A solid state voltmeter displays the output voltage with coloured LEDs indicating output voltage selection. Supplied with Nato lead set, input lead and heavy-duty canvas protective jacket.



### Supplied as standard with



### Typical aircraft type:\*\*



Small fixed wing  
GA piston aircraft



Small turbine and piston  
helicopters



Small turboprop and all piston aircraft



# PS50M

## Specifications

Output voltage	28V DC and 31.5V DC (selectable)
Output current	50 amps
Output ripple	<150mV p-p
Input voltage	90-264V AC/47-63Hz
Input current	8A @ 230V AC, 17A @ 115V AC/single phase (typical)
Operating temp	-20°C to +50°C (-2°F to +122°F)
Case	Aluminium with shock absorbing feet
Voltmeter	Solid state LED, IP65
Aircraft cable	2m (6ft) with Nato connector
Cooling	Forced ventilation
Protections	Thermal, current overload, short circuit, over voltage
Dimensions	L 350mm (14in) W 140mm (5in) H 150mm (6in)
Weight	5kg (11lb)
NCAGE	KD628

## Features

- 28V DC / 31.5V DC selectable output
- Mains on/off switch
- Output voltage selector switch
- Output voltage LED status indicators
- Short circuit/current limit protection
- Corrosion resistant aluminium case with carry handle
- Aircraft cable with Nato connector
- Solid state voltmeter
- Fitted with rubber anti-slip, shock absorbent feet
- Heavy-duty canvas protective jacket

## Optional extras



2m alligator clips



4m alligator clips



4m Nato lead



PS50M: in operation on a Cessna TTx



## Other GPUs and power supplies in the Powervamp range



PS30



PS100



GPU 1500/40



Coolspool 17



Coolspool 29



GPU 1700

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