

# PS100 and PS100C



2 x PS100 in parallel delivering up to 200 amps

**PS100** Able to provide 100 amps of continuous power, Powervamp's standard PS100 is a 28V power supply designed to power flight decks of larger corporate/business aircraft using any AC single phase 110/230 volts 50/60 Hz input. It is supplied as the factory-approved product by one of the largest business aircraft manufacturers in the US.

**PS100C** The PS100C version has two pre-set voltages: 28.5V for lead acid battery charging and continuous avionics operation; and 31.5V for charging Coolspool GPU 17, 29, 58. Where only single-phase power is available it is also used to charge the larger Coolspool battery carts.

Delivering smooth, stabilised continuous DC power, the PS100 is compact and lightweight, allowing it to be stowed in any baggage hold.

Individual LEDs confirm DC output status and a digital ammeter and voltmeter accurately display output volts and amps so operators can monitor the current draw of avionics, pre-flight loads, invertors, cabin lighting and other systems. An on-off C/B is used to switch power.

Any PS100C or derivative can be paralleled to double or even triple the combined output and this design concept allows individual units to be easily handled, stowed and transported.

Each power supply is fitted with padded protective jacket and a 2-metre (6ft) 50mm (2in) double insulated output cable fitted with heavy-duty rubber Nato plug.

A single voltage unit (28.5V) PS100 is also available in this range.

## SPECIFICATION

**Designed to power large helicopters, full-size corporate jets and for ramp/hangar use, avionics shop and exhibition use**

Max output	100 amps		
Output volts (PS100C)	28.5, 31.7 (selectable)		
Output volts (PS100)	28.5		
Input volts	Auto. 120/240 single ph. 50/60 Hz		
Max input current	120V 36 amps; 240V 18 amps		
Input frequency range	45–400Hz		
Efficiency	90%		
Cooling	triple fan, forced air		
IP Rating	IP65 with protective cover		
Case	powder-coated alloy with neoprene anti-slip feet		
Height	Length	Width	Weight
300mm (15in)	400mm (16in)	135mm (5in)	12.5kgs (28lbs)

## FEATURES

- DC output voltage selector (PS100C only)
- Digital voltmeter
- Digital ammeter
- Mains on/off circuit breaker
- 2 x paralleled 50 amp micro-power supply modules for redundancy
- 2 x PCB output status LEDs
- Fuse protected 28V accessory socket
- Padded protective jacket
- 2-metre (6ft) detachable heavy-duty output cable with heavy-duty rubber Nato plug

## OPTIONS

- Bandolier option. With the larger business aircraft flying internationally, Powervamp offers PS100 and PS100C users its unique optional 'Universal connector bandolier'. This selection of international plugs, neatly housed in a webbing bandolier, allows the user to instantly select and connect the correct input plug without the need to obtain and wire local plugs.