

# PS30 and PS50

28V POWER SUPPLIES



The PS30 and PS50 units are solid state hand-portable combined charger/power supplies delivering a maximum of 30A or 50A at pre-set voltages of 14V (PS30) or 28V DC (PS30) for avionics use and 28V (PS50) or 31.5V (PS50) DC for the rapid re-charging of Powervamp's unique 28V DC Coolspool portable aircraft start units. Voltage selection is by front-mounted switch.

Both the PS30 and PS50 can be connected directly to the aircraft's external ground power receptacle or to any of Powervamp's portable battery start units\* and are 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 either model to be used as a free-standing portable bench-mounted power supply when used with optional lead sets or alligator clips.

The PS30 or PS50, using optional connector sets, 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.

## Supplied as standard with



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 and cable bag.

## Typical power plant:\*\*

Arrius, Rolls-Royce 250, PT6A-27. Continental and Lycoming piston, or power plants of a similar specification



Small fixed wing  
GA piston aircraft



Small turbine and piston  
helicopters



Small turboprop and all piston aircraft



\*Adapter cables may be required. This information is given in good faith

# PS30 and PS50

## Specifications

Output current	PS30	30 amps
	PS50	50 amps
Output ripple	<150mV p-p	
Input voltage	90-264V AC/47-63Hz	
Input current	PS30	6A @ 230V AC, 12A @ 115V AC/single phase (typical)
	PS50	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	PS30	L 330mm (13in) W 100mm (4in) H 150mm (6in)
	PS50	L 350mm (14in) W 140mm (5in) H 150mm (6in)
Weight	PS30	3kg (7lb)
	PS50	5kg (11lb)
NCAGE	KD628	

## Features

- 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 and cable bag

## Optional extras



PS50: in operation on a Cessna TTX



## Other hand-portable GPUs and power supplies in the Powervamp range



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