

## PS30

14V / 28V POWER SUPPLY

The PS30 unit is a solid state hand-portable power supply delivering a maximum of 30A at pre-set voltages of 14 and 28V DC for avionics use. Voltage selection is by front-mounted switch.

The PS30 can be connected directly to the aircraft's external ground power receptacle and is primarily for flight schools that operate a variety of piston and light turbine aircraft and helicopters requiring a source of clean stable DC power for training, maintenance and software updates.

The front-mounted quick-disconnect output connector enables the PS30 to be used as a free-standing portable bench-mounted power supply when used with optional lead sets or alligator clips.

The PS30, 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.

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



# PS30

## Specifications

Output voltage	14V DC and 28V DC (selectable)
Output current	30 amps
Output ripple	<150mV p-p
Input voltage	90-264V AC/47-63Hz
Input current	6A @ 230V AC, 12A @ 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 330mm (13in) W 100mm (4in) H 150mm (6in)
Weight	3kg (7lb)
NCAGE	KD628



## Features

- 14V DC / 28V 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



2m Piper lead



4m Piper lead



## Other GPUs and power supplies in the Powervamp range



PS50M



PS100



GPU 1500/40



Coolspool 17



Coolspool 29



GPU 1700

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