

POWER SUPPLIES

Power Supply	Output voltage (V)	Maximum current (A)	Input voltage required (V)
PS30	28	30	110/230 1-ph
PS50	28	50	110/230 1-ph
PS100	28	100	110/230 1-ph
PS300	28	300	230/400 3-ph
PS400	28	400	230/400 3-ph
PS600	28	600	230/400 3-ph

COMBINED POWER SUPPLIES/CHARGERS

Combined Power Supply/Charger	Dual Output Voltages (V)		Maximum current (A)	Suitable for charging	Input voltage required (V)
PS30C	28	31.5	30	24V/26V batteries	110/230 1-ph
PS50C	28	31.5	50	24V/26V batteries	110/230 1-ph
PS80C	31.5	33.6	80	26/28V batteries	230 1-ph
PS100C	28	31.5	100	24/26V batteries	110/230 1-ph
PS240C	31.5	33.6	240	26/28V batteries	230/400 3-ph
PS300C	28	31.5	300	24V/26V batteries	230/400 3-ph

PS30C and PS50C

Powervamp's PS30C and PS50C miniature power supplies are lightweight combination charger/power supplies able to deliver 30 or 50 amps depending on model, at a pre-set voltage between 28.4 and 31.5 volts (for 28 volt Coolspool charging) as selected by the operator. Power supplies can be connected directly to the aircraft's external ground power receptacle or to any of Powervamp's portable battery GPUs.

The PS30C/PS50C are designed for operators of smaller helicopters and VLJs needing to download data or programme avionics in any location where size and weight are important.

The automatic 120/240 volt 50/60Hz input allows international use. A solid state voltmeter displays the output voltage selected by the mode switch. Coloured LEDs confirm mode selection. A green and red LED indicates amperage below or above current limit protection.

Unique to the PS30C/PS50C are two pre-set voltages enabling the power supplies to charge both 24 and 28 volt portable GPUs or operate in parallel with them. Specification includes forced ventilated with thermal protection and current overload/short circuit and reverse polarity protection.

A quick-release polarised 50 amp continuously rated connector allows instant connect/disconnect of the 2-metre (6ft) special double insulated 16mm (1/2in) section output cable fitted with Lexan Nato plug.

The PS30C / PS50C design allows units to be ganged in parallel to a second power supply to double output or to operate in parallel with any Coolspool 17, 29 or 58 GPU as a continuous power source or charger.

A single voltage unit (28.5V) is also available in this range (PS30/PS50).



SPECIFICATIONS

Use: Designed for the smaller helicopter, VLJ or use with CoolSpool 17, 29, and 58 GPUs or as a DC power source

Max output	30 amps (PS30C); 50 amps (PS50C)		
Output volts	28.5, 31.7 (selectable)		
Input volts	Auto. 120/240 single-ph. 50/60Hz		
Max input current	120V 9 amps; 240V 4.4 amps		
Input frequency range	45–400Hz		
Efficiency	90%		
Cooling	Single fan, forced air		
IP Rating	IP54		

	Height	Length	Width	Weight
PS30C	150mm (6in)	325mm (13in)	95mm (4in)	3kgs (7lbs)
PS50C	155mm (6in)	350mm (14in)	140mm (5in)	6kgs (13lbs)

FEATURES

- Mains input voltage selector
- Digital voltmeter
- Mains on/off switch
- Current limit LED
- Power output status LED
- Padded protective jacket
- 2-metre (6ft) detachable output cable with fitted Lexan Nato plug

