

Solid State

PS-4 SERIES

The PS-4 unit is a robust general purpose DC battery charger/power supply designed to provide a smooth regulated DC output despite large mains and load variations.

The unit is of the full wave thyristor regulator type and has the advantage of rugged simplicity and high reliability with low heat dissipation. Protection is provided by electronic current limiting and fuses. An important feature of this unit is parallel operation. This means high current capability and parallel redundant reliability.

The battery chargers/power supplies are also available in a 19" rack version up to 1 200 watts; or on an open chassis; or built into standard steel cabinets (see picture).

Many standard options are available regarding voltage and current ratings, metering, alarms, smoothing and parallel operation. Three phase units are generally preferred above 3 KW. Other voltages and currents available on request



STANDARD RATINGS

SINGLE PHASE UNITS UP TO 3000 W	
Output Volts	Output Current
12 V	10 A / 20 A / 30 A
15 V	10 A / 20A / 30 A
24 V	10 A / 15 A / 20 A / 30 A / 40 A / 50 A / 60 A / 80 A
48 V	20 A / 30 A / 50 A / 60 A / 70 A
THREE PHASE UNITS 3 KW – 25 KW	
Output Volts	Output Current
24 V	60 A / 80 A / 100 A / 200 A / 300 A / 1000 A
48 V	100 A / 200 A / 300 A / 500 A

TECHNICAL SPECIFICATIONS

AC Supply	Single Phase 220V / 230V (110V)	
	Three Phase 380V / (525V) Star / 4 Wire + Earth	
	Supply Variation	+/- 10% Standard (15%) (20%) optional
	Frequency	50 Hz +/- 5 Hz (60 Hz) +/- 6 Hz
DC Output	Regulation	< 1%
	Voltage Ripple	General purpose 5% Standard (2%, 1%) optional
	Communications	2mV Phosphometric referred 800Hz (Optional)
Protection	AC Input Fuse or CB	High Speed Thyristor Fuse
	Electronic Current Limiting : Yes	Surge Protection : Capacitors and MOV
	Loss of Feedback Shutdown : Optional	
Metering	DC Volts and DC Amps (Standard) Meter 72 x 72 mm Analog (Digital Metering available on request)	
Indications	DC Power on LED	
Optional Extras	DC under voltage alarm	DC over voltage alarm
	Parallel operation	Front panel test points & selector switch (AAC)
	Module fail alarm / parallel operation	DC Circuit Breaker
	Digital Meters	Heavy duty DC contactor for undervoltage load disconnect
Size 19" 5U Rack	Standard 19"5U rack mounted unit, up to 1200W	
Dimensions	483 W x 222 H x 375 D (mm) to 24 V 20 A	
	483 W x 222 H x 450 D (mm) to 24 V 30 A	
	483 W x 222 H x 550 D (mm) to 24 V 40 A	
Standard Cabinet Size	Standard free standing or wall mounted Cabinets	
Dimensions	600 W x 760 H x 325 D (mm) to 48 V 40 A	
	600 W x 1000 H x 325 D (mm) to 48 V 70 A (Dimensions for larger units on request)	

Special Models with a wider input range are also available on request.

We reserve the right to change specifications without prior notice

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