

FPS1K SERIES

AC/DC Single Output: 1000 Watts



Features

- Low profile 46mm height.
- 24V, 32V and 48V output options
- Hot-swap capability.
- Parallel operation with power share between modules.
- Build-in Redundancy diodes for **n+1 applications**
- High efficiency
- RoHS Compliant
- Universal Input & PFC
- AC, DC and Over Temp Alarms
- LED Front panel: AC OK, DC OK, DC Fail.
- CE Marked, EN60950 safety approvals
- Suitable for use as combined power supply and **Battery Charger** in high-end DC Back-up systems**BC**

Model	Output		Power W
	V	A	
FPS1000-24-PU	24V	40A	1000W
FPS1000-32-PU	32V	30A	1000W
FPS1000-48-PU	48V	20A	1000W
FPS1000-24-BC	27.0V	37A	1000W
FPS1000-32-BC	36.0V	28A	1000W
FPS1000-48-BC	54.0V	19A	1000W

Specifications:

Input Voltage	85~264VAC, 120-360VDC
Frequency	47 ~ 63Hz (440Hz with reduced PFC)
Inrush Current	40A maximum
Leakage Current	1.1mA at 230VAC
Hold Up Time	20ms typically (800W load)
Efficiency	Model dependant 83-88%
Harmonics	EN61000-3-2 Class A
Power Factor	0.98 at full load
Immunity	EN61000-4-2, -3, -4, 5, -6, -11
Emc	EN55022 Lev B, conducted & radiated
Output voltage	24vdc (21.5 – 29) 32vdc (28.8 – 38.4) 48vdc (43 – 58)
Output voltage adjustment	Manual trim pot for fine tuning voltage (± 1V) Output remote trim over full range
Auxiliary Output	An isolated 12v output is provided @ 0.25A with build-in Oring diode
Output Power	1000W per module, and up to 5000W when units connected in parallel.
Line Regulation	±0.5%
Load Regulation	±0.8%
Output Noise	300mv (24V), 250mV (32V), 300mV (48v)
Overvoltage Protection	YES set at 130-140% of nominal Vout Recycle input after 30-60sec to re-start
Overload Protection	Constant current, with auto recovery, set at 105-125% of nominal rating.
Overtemp. Protection	Output shuts down when temperature exceeds safe limits, with auto recovery.
Load Sharing	Single wire power share with up to eight units.
Remote ON/OFF	ON = Remote on/off SHORT to RTN on signals connector OF = Open.
Remote sense	Compensates up to 1V on each output lead.
Alarm Signals	Voltage Free relay contacts <ul style="list-style-type: none"> • AC Power Fail • DC Fail • Over Temperature
Operating Temp.	0°C to +50°C at 100% load. Derate at 2.5% per °C to +70°C.
Isolation	Input-Output: 3000VAC Input-Ground: 2000VAC Output- Ground: 500VAC
Cooling	Two internal fans (front to back) with variable speed.
Humidity	10-90% RH non-condensing
Shock & Vibration	ETS 300 019
Safety	UL60950, EN60950
Input / Output Connector	AC Input: IEC 320 socket DC Output & Alarms: Screw terminals
Dimensions	375 x 166 x 46mm
Weight	3.4kg

