

1000W Front End Power Supplies

Features

- ◆ 1U high
- ◆ Up to 3000W (3 units) in 19" rack
- ◆ Hotswap capable (ORing diodes built in)
- ◆ Low Cost
- ◆ PoE Option
- ◆ High efficiency
- ◆ Full array of signals



Key Market Segments & Applications



Specifications						
Model			12V Nominal	24V Nominal	32V Nominal	48V Nominal
Output Voltage Range	(1) V		10.5 - 13.2V	21.5 - 29V	28.8 - 38.4V	43 - 58V
Output Current	A		72A	40A	31A	21A
Line Regulation	%		<0.4%			
Load Regulation	%		<0.8%			
Output Noise	mV		150mV	200mV	250mV	300mV
Overvoltage Protection	V		14.3 to 15.7V	31 to 34V	41.5V to 45.5V	62 to 66V
Overcurrent Protection	-		105 - 125%, Constant Current type			
Load Sharing	-		Single wire current sharing, up to 8 units			
Remote Sense	-		Compenstates for 1V on each output lead			
I2C Monitoring	-		Optional (Specify /S)			
Signals (opto isolated)	-		DC OK, AC Fail, and Overtemperature warning, high on fail			
Remote On/Off	-		On: 0 - 0.6V or short, Off: 2- 15V or open			
Auxiliary Output	A		11.2-12.5VDC 0.25A			
AC Input	-		85 - 265VAC, 47 - 63Hz ² , 120-360VDC* (Derate 10% < 100VAC)			
Leakage Current	mA		<1.1mA at 230VAC input			
Inrush Current	A		<40A			
Hold up time (100VAC input)	-		20ms typical (800W loading)			
Efficiency (typ) 100/200VAC	-		80 / 83%	83 / 86%	84 / 87%	85 / 88%
Power Factor Correction	-		EN61000-3-2 class A (20-100% load), >0.98 at full load			
Immunity	-		EN61000-4-2, -3, -4, -5, -6, -11			
EMC (conducted and radiated)	-		EN55022, level B, FCC Class B			
Operating Temperature	°C		0 to +70°C, derate 2%/°C from 50 to 60°C, 2.5%/°C from 60 to 70°C			
Storage Temperature	°C		-30 to +85°C			
Withstand Voltage	-		Input to Output 3kVAC, Input to Ground 2kVAC, Output to Ground 500VAC for 1 min.			
Cooling	-		Two internal fans, airflow from front to back (variable speed)			
Humidity	-		Operating: 10 - 90% RH, Storage: 10 - 95% RH (non condensing)			
Shock & Vibration	-		Meets ETS 300 019			
Safety Agency	-		UL60950-1, EN60950-1 (Ed 2), CE Mark			
Input / Output Connector	-		Positronic PCB24W9M400A1 (Mating #PCIB24W9F400A1)			
Front panel indicators	-		AC OK, DC OK, DC Fail			
Size (LxWxH)	in		Stand alone: 1.61 x 5 x 11.4"; Rack: 1.72 x 19 x 13.8"			
Weight	g		2,000			
Warranty	yrs		Two Years			

(1) Via Trim pin on output connector

(2) 47-440Hz with reduced PFC (100-265VAC input)

*Safety certified for AC input only

