1000W 1U Front End Power Supplies

Features

- ♦ 1U high
- ◆ Internal ORing Diodes
- ◆ Current Share

Key Market Segments & Applications



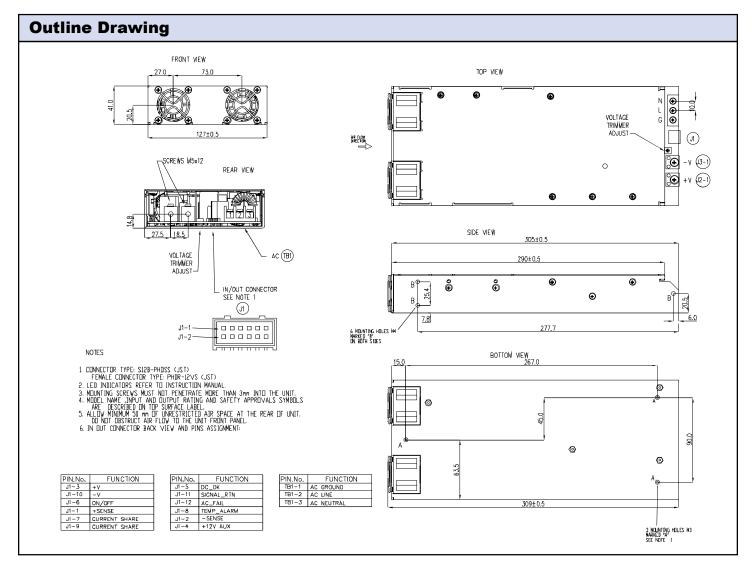








Specifications							
Model		RFE1000-24-Y	RFE1000-32-Y	RFE1000-48-Y			
Nominal Output Voltage	V	24V	32V	48V			
Output Voltage Range	V	21.5 - 29V	28.8 - 38.4V	43 - 58V			
Output Current	Α	40A	31A	21A			
Output Power	W	960W	992W	1008W			
Line Regulation	mV	96mV	128mV	192mV			
Load Regulation	mV	192mV	256mV	384mV			
Output Noise	mV	200mV	250mV	300mV			
Overvoltage Protection (Latching)	V	31 to 34V	41.5 to 45.5V	62 to 66V			
Overcurrent Protection	%	105 - 125%, Non foldback type					
Overtemperature	-	Yes, automatic reset					
Series Operation	-	Up to 3 units may be connected in series					
Current share	-	Single wire current sharing, up to 8 units					
Remote Sense	-	Compensates for up to 1V on each load wire					
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	-	12V 0.25A bias voltage, (11.2 to 12.5V). Built in ORing diode					
AC Input Range	VAC,Hz	85 - 265VAC, 47 - 63Hz					
AC Input Current (100/200VAC)	Α	12 / 6A					
Leakage Current	mA	<1.1mA at 230VAC input					
Inrush Current	Α	<40A					
Hold up time (100VAC input)	ms	20ms typical					
Efficiency (typical) 100/200VAC	%	84 / 86%	84 / 86%	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 part 15J-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.					
Isolation Resistance	-	>100M at 25°C & 70%RH, Output to Ground 500VDC					
Cooling	-	Two variable speed internal fans, airflow exits across input/output					
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	-	Input: Screw terminals, Output: M5x12 screws, Signals: Mating connector JST PHDR-12VS					
Output indicator	-	Green LED DC OK					
Size (L x W x H)	in(mm)	12 x 5 x 1.61" (305 x 127 x 41mm)					
Weight	g	2000					
Warranty	yrs	Two Years					



	Other	Rela	ated	Prod	lucts
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FPS1000	1U Hotswap 1000W Rack mount
HWS	15 - 1800W Power Supplies
SWS-I	600 - 1000W Power supplies

For Additional Information, please visit https://product.tdk.com/info/en/products/power/index.html

