Power Supply YEP320 series

Input: 100-240 VAC 50/60Hz
Output Voltage: 36V-60V DC
Rated Power: 320W max.

1. Features

- Protection type: over load/ over voltage/ short circuit
- Cooling by free air convection
- Forced air cooling by built-in DC Fan with fan speed control function
- LED indicator for power on

2. Specifications

Model Detail Specification		YEP320-36	YEP320-48	YEP320-60
Input	Input Voltage:	90-264VAC 127-364VDC		
	Input Frequency:	47~63Hz		
	Power Factor (typ.):	PF>0.95		
	AC Current:	4A/ 115VAC 2A/230VAC		
	Leakage Current:	<1mA / 240VAC		
	Efficiency:	85%	90%	90%
	Starting Load:	321.6W	320.4W	408W
Output	DC Voltage:	36V	48V	60V
	Rated Current:	8.9A	6.7A	5.33A
	Rated Power:	321.6W	320.4W	320W
	Voltage Tolerance:	±2%		
	Ripple and Noise:	220mVp-p	240mVp-p	350mVp-p
	Line Regulation:	±0.5%		
	Load Regulation:	±1%		
	Setup, Rise, Hold up Time:	1500ms, 50ms/230VAC 3000ms, 50ms/115VAC at full load		
Environmental	Operating Temperature:	-30℃ to 70℃, (Refer to "Deduction curve and tempe rature")		
	Storage Temp., Humidity:	-40℃ to 85℃, 10~95% RH		
	Working Humidity:	20%~90% RH Non-Condensing		
Protection	Over Load:	105 ~ 135% rated output power		
		Protection type : Hiccup mode, recovers automatically after fault condition is removed		
	Over Voltage:	41.4~48.6V	58.4~68V	72.6~85V
		Protection type : Shut down o/p voltage, re-power on to recover		
	Over Temperature:	Shut down o/p voltage, recovers automatically after temperature goes down		
Safety & EMC	Safety Regulations:	EN62368-1		
	Withstand Voltage:	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC		
	Isolation Resistance:	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25℃/ 70% RH		
	EMC Emission:	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3,		
		Class B BS EN/ BS EN/ EAC TP TC 020,		
Other	MTBF:	1826.4K hrs min. Telcordia SR-332 (Bellcore) ; 192.9K hrs min. MIL-HDBK-217F (25℃)		
	Size:	215×115×30mm (L×W×H)		
	Packaging:	0.9Kg; 20pcs/16.6Kg/0.03CBM		
Note	1. All parameters NOT specially mentioned are measured at 230 VAC input, rated load and 25℃ of ambient temperature. 2. Ripple & noise are measured from peak to peak with band width limit of 20MHz (0.1uF and 47uF/50V parallel capacitor under DC output full load, AC nominal input 25℃ ambient temperature). 3. Derating maybe needed under low input voltages. Please check the derating curve for more details. 4. The power supply is considered a component which will be installed into final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to “EMI testing of component power supplies.” 5. The output capacitive loads should not exceed 5000 µf.			

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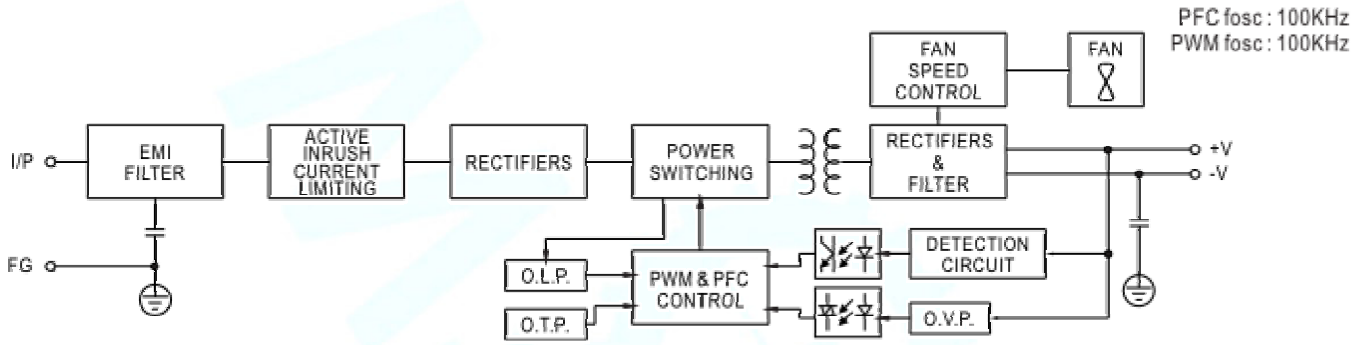
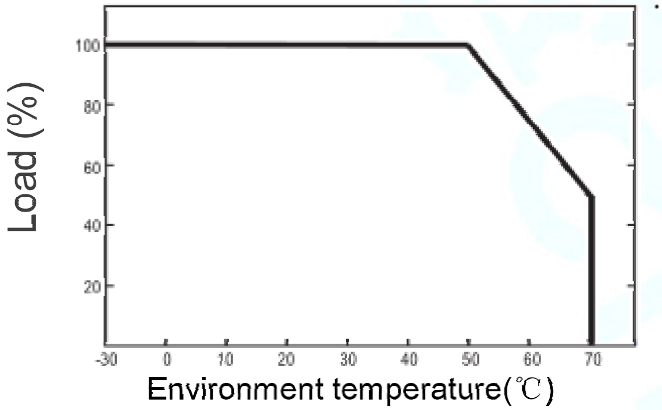
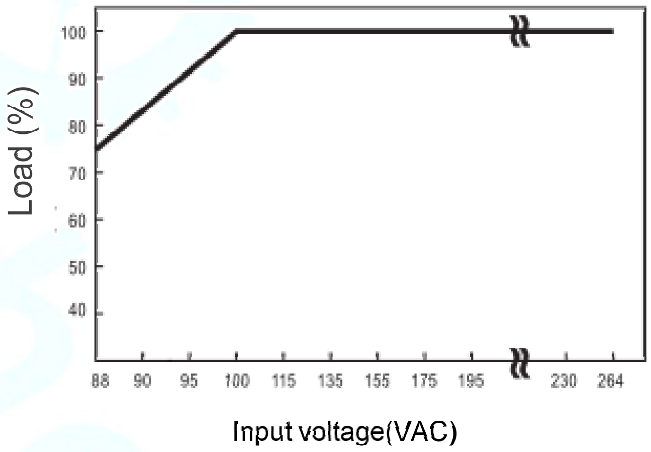
3. Functional Diagram



4.Deduction curve and temperature



5. Minus output and input voltage curve



6. Dimension and Installation

Terminal Pin No. Assignment :

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4~6	DC OUTPUT -V
2	AC/N	7~9	DC OUTPUT +V
3	FG ⏚