

120W Dual Output Switching Power Supply



ED-120...

Feature

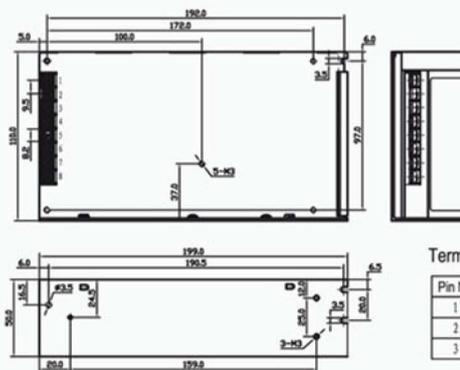
- High efficiency, high reliability
- AC input range selected by switch
- 100% full load burn-in test
- Protection:
Short circuit/ Over load /Over voltage
- Cooling by free air convection
- Fixed switching frequency at 28KHz
- 2 years warranty
- Dimensions: 199*110*50mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μ & 47μF parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model	ED-120A		ED-120B		
	CH1	CH2	CH1	CH2	
Output	DC Voltage	5V	12V	5V	24V
	Voltage Tolerance	±2%	±6%	±2%	±7%
	Rated Current	12A	5A	6A	4A
	Current Range	2-12A	0.5-5A	2-10A	0.4-4A
	Rated Power	120W		126W	
	Ripple & Noise	60mVp-p	120mVp-p	60mVp-p	150mVp-p
	DC Voltage adi. Range	CH1: -5%, +10%			
	Setup,Rise,Hold Time	200ms,50ms,20ms at full load			
Input	Voltage Range	88-132 VAC / 176-264VAC 47-63 Hz; selected by switch 248-370VDC			
	AC Current	2.8A/115V 1.6A/ 230 V			
	Efficiency	78%	80%		
	Inrush Current	Cold start 35A			
	Leakage Current	<3.5mA/240VAC			
Protection	Over Load	105%-135% Protection type: Shut down o/p voltage , re-power on to recover			
	Over Voltage	115%-135% Protection type: Shut down o/p voltage , re-power on to recover			
Environment	Working Temp & Humidity	-10°C~+60°C, 20%-90 %RH			
	Storage Temp & Humidity	-20°C~+85°C, 10%-95 %RH			
	Vibration	10-500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes			
Safety	Withstand Voltage	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG:0.5KVAC			
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M /500VDC			
Standards	Safety Standard	Design refer to UL1012 , UL60950 ,EN60950			
	EMC Standard	Design refer to EN55022(CLSPPR22),EN61000-3-2,-3, EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024			
Others	Weight	0.82Kg			
	Packing	14pcs/13Kg/0.95CUFT			

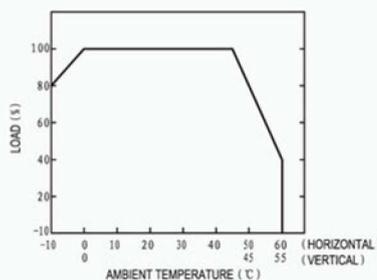
Outline and dimension



Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT +V2
2	AC/N	5, 6	DC OUTPUT COM
3	PG	7, 8	DC OUTPUT +V1

Derating Curve



Static Characteristics(B)

