

120W Series dual output switching power supply

D-120 Series



Dimension: 199 × 110 × 50mm

Features:

- AC input voltage range selected by switch
- Small volume, low weight, high efficiency
- Protections : short circuit/over load/over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- 1 Year warranty

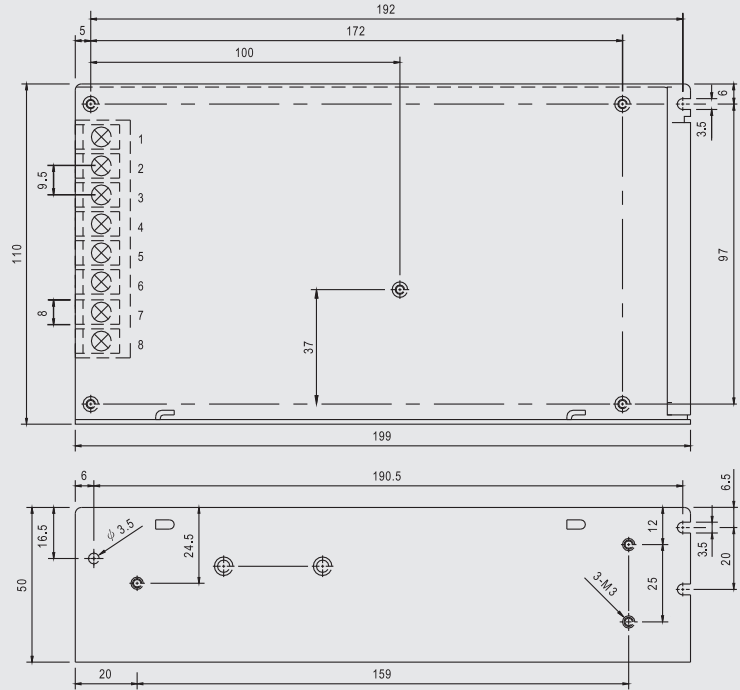
SPECIFICATION

Model		D-120A		D-120B		D-120C	
Output	DC voltage	CH1:5V	CH2:12V	CH1:5V	CH2:24V	CH1:12V	CH2:24V
	Voltage tolerance	± 2%	+5%□-8%	± 3%	+6%□-8%	± 3%	+7%□-8%
	Rated current	12A	5A	6A	4A	5A	2.5A
	Current range	2.0□12A	0.5□5A	1□6A	0.4□4A	1□5A	0.4□2.5A
	Rated power	120W		126W		120W	
	Ripple&noise	80mVp-p	120mVp-p	80mVp-p	150mVp-p	120mVp-p	150mVp-p
	DC voltage ADJ. range	CH1: -9%~+10%					
	Setup, rise, hold up time	200ms,50ms,30ms/230VAC.					
Input	Voltage range	90 ~ 132VAC, 180 ~ 264VAC(Selected by switch) 47 ~ 63Hz, 255 ~ 373VDC					
	AC current	2.8A/115V 1.6A/230VAC					
	Efficiency	78%		80%		81%	
	Inrush current	Cold start 25A/115V 50A/230VAC					
	leakage current	< 3.5mA/240VAC					
Protection	Overload	Rated output power110% ~ 150%Start overload protection protection type : cutoff output, restart power after fault condition is removed can recover normal output					
	Over voltage	CH2:115% ~ 135% protection type : cutoff output, restart power after fault condition is removed can recover normal output					
Environment	Working temp, humidity	-10°C ~ +60°C;20% ~ 90%RH(Please refer to "derating curve")					
	Storage temp, humidity	-20°C ~ +85°C;10% ~ 95%RH Non-condensing					
	Withstand vibration	10 ~ 500Hz, 2G 10min./1Cycle, Period for 60min, Each axes					
Safety	Withstand voltage	I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC					
	Isolation resistance	I/P-O/P: I/P-FG,O/P-FG: 100M Ohms/500VDC					
Fit standard	Safety standard	Fit UL1012					
	EMC Standard	Fit EN55022, CLASSA					
Others	Dimension	0.85kg 199*110*50mm (L*W*H)					
	Weight	0.85kg/24pcs/21kg/1.51CUFT					

Note: 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
 3. Tolerance : includes set up tolerance, line regulation and load regulation.

Mechanical specification

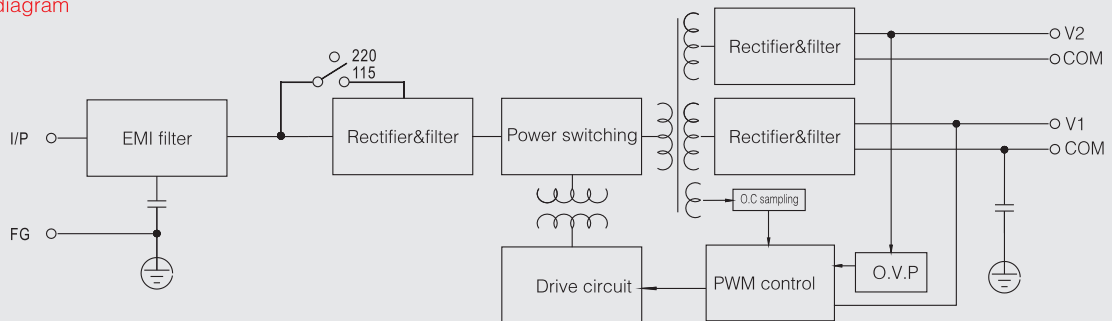
Unit:mm



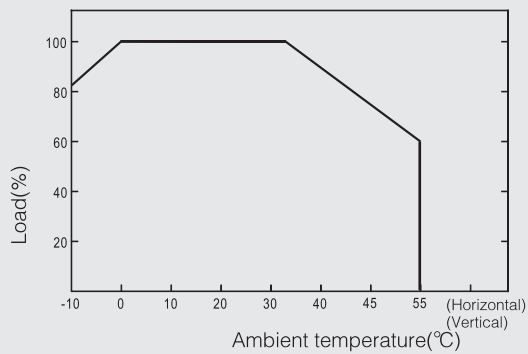
Terminal Pin No. Assignment

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

Block diagram



Derating curve



Static characteristic

