



**● Features:**

- 2:1 Wide Input Supply Range
- Built in EMI filter, low ripple noise
- Protections: Short Circuit / Over load / Over voltage / Over Temperature
- 100% Full Load Burn in test.
- High efficiency, long life and high reliability
- Miniature size, high power density

**SPECIFICATION**

MODEL		DD120-12	DD120-24	DD120-48
Output	DC Voltage	12V	24V	48V
	Rated Current	10A	5A	2.5A
	Current Range	0 ~ 10A	0 ~ 5A	0 ~ 2.5A
	Rated Power	120W	120W	120W
	Ripple and Noise Max.	< 1% Of Rated Voltage.		
	Voltage Adj. Range	10.8 ~ 13.2V	21.6 ~ 26.4V	43.2 ~ 52.8V
	Voltage Tolerance	< 1% Of Rated Voltage.		
	Line Regulation	< +/- 0.5 %		
	Load Regulation	< +/- 1 %		
	Hold up Time	> 20mSec		
Input	Voltage Range	72VDC - 144VDC		
	Frequency	45Hz - 65Hz		
	Efficiency	>80%		
	Inrush Current	<15A At 144VDC		
Protection	Over Load	Above 105% Rated output Power Protection Type: Hiccup Mode, Recovers automatically after fault condition is removed.		
	Over Voltage	15.0 ~ 17.0V	27 ~ 29V	54 ~ 56V
	Over Temperature	>140 DegC Case Temp typically detect on main control IC (U1). Protection Type : Shutdown , recovers automatically after fault condition is removed.		
Environment	Working Temp.	-5DegC to 55DegC.		
	Working Humidity	20 to 90%RH Non Condensing.		
	Storage Temp Humidity	-10 to 85DegC 10 to 95% RH.		
	Vibration	10 to 500Hz,2G,20min/sweep,peroid-1Hr,Each along X,Y,Z axes.		
Safety & EMC	Safety Standard	Designed to meet UL60950-1		
	Withstand Voltage	I/P-O/P : 2KVAC , I/P-Earth : 1.5KVAC , O/P-Earth : 500VDC.		
	Isolation Resistance	I/P-O/P , I/P-Earth , O/P-Earth : 100M Ohms / 500VDC.		
	EMI & EMC	Designed to meet EN55011		
Other	Enclosure Protection	IP-20		
	Cooling	Forced Cooling.		
	Dimension	157*93*72 (L*W*H)		
Note	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25Deg.C. ambient temperature.</p> <p>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF &amp; 47uF parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance , line regulation and load regulation.</p> <p>4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-conformed that it still meets EMC directives.</p>			

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## DIMENSIONAL DETAILS

