

120W Single Output Switching Power Supply



Technical Data

Index Type	S-120-5	S-120-7.5	S-120-12	S-120-15	S-120-24	S-120-48
DC Voltage	5V	7.5V	12V	15V	24V	48V
Voltage Tolerance	±2%	±1%	±1%	±1%	±1%	±1%
Rated Current	24A	16A	10A	8A	5A	2.5A
Current Range	0-24A	0-16A	0-10A	0-8A	0-5A	0-2.5A
Ripple&Noise(Max.)	100mVp-p	125mVp-p	125mVp-p	125mVp-p	150mVp-p	150mVp-p
Line Regulation	±0.5%	±0.5%	±0.5%	±0.3%	±0.3%	±0.2%
Load Regulation	±1%	±0.5%	±0.5%	±0.3%	±0.3%	±0.2%
Rated Power	120W	120W	120W	120W	120W	120W
Efficiency	76%	78%	80%	81%	83%	84%
Voltage Adjust Range	±10%	±10%	±10%	±10%	±10%	±10%
Voltage Range	85~132VAC/176-264VAC auto switch 47~63Hz;248~370VDC					
AC Current	2.4A/115V1.2A/230V					
Inrush Current(Max.)	cold start current 30A/115V60A/230V					
Leakage Current	<1mA/240VAC					
Overload Protection	125%-165% TYPE: OUTPUT CUTOUT AUTO RECOVERY					
Over-voltage Protection	115%-135%					
Over-temperature Protection						
Temp.Coefficient	±0.03%/°C(0~50°C)					
Setup.Rise,Hold Time	1s,30ms,15ms					
Vibration	10~500Hz,2G10min,/11cycle,60min,each axes					
Withstand Voltage	I/P-O/P:3KVACI/P-FG:1.5KVACI/P-FG:0.5KVAC					
Isolated Resistor	I/P-O/P,I/P-FG,I/P-FG:500VDC/100MΩ					
Working Temp.Humidity	-10°C~+60°C(REFER TO CHARACTER CURVE),20%~90RH					
Storage Temp.Humidity	-20°C~+85°C,10%~95%RH					
Dimension	199×98×38mm					
Weight	0.7Kgs					
Safety Standards	UL1012 TUV60950(IEC950,UL1950)					
EMC	CISPR22(55022),IEC801-2,3,4,IEC555-2					

Note:

- 1.All parameters NOT specially mentioned are measured at 230VAC input ,rated load and 25 of ambient temperature.
- 2.Tolerance includes set up tolerance,line regulation and load regulation
- 3.Ripple&noise are measured at 20MHZ of bandwidth by using a 12 twisted pair-wire terminated with a 0.1uf&47uf parallel capacitor.
- 4.line regulation:min&max voltage of the rated load.
- 5.load regulation:load from 0 to 100%.