

SIZE:199*110*50mm (L*W*H)

Features:

- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- All using 105℃ long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
- Withstand 5G vibration test
- High efficiency, long life and high reliability
- 1 years warranty

SPECIFICATION

MODEL		Q-120B				Q-120C				Q-120D			
	OUTPUT NUMBER	CH1	CH2	СНЗ	CH4	CH1	CH2	СНЗ	CH4	CH1	CH2	СНЗ	CH4
ОИТРИТ	DC VOLTAGE	5V	12V	-5V	-12V	5V	15V	-5V	-15V	5V	12V	24V	-12V
	RATED CURRENT	11A	4.5A	1A	0.5A	10A	4A	1A	0.5A	8A	2.5A	2A	0.5A
		2 ~ 12A	0.5 ~ 4.5A	0.1 ~ 1A	0 ~ 1A	2~12A	0.5 ~ 4A	0.1 ~ 1A	0 ~ 1A	2 ~ 12A	0.5 ~ 4A	0.1 ~ 2.5A	
	RATED POWER Note.6	120W				122.5W				124W			
	RIPPLE & NOISE (max.) Note.2	80mVp-p 120mVp-p 80mVp-p 80mVp-p				80mVp-p 120mVp-p 80mVp-p 80mVp-p				80mVp-p 120mVp-p 150mVp-p 80mVp-p			
	VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V				CH1: 4.75 ~ 5.5V				CH1: 4.75 ~ 5.5V			
	VOLTAGE TOLERANCE Note.3	±2.0%	+8,-3%	+6,-10%	±5.0%	±2.0%	+8,-3%	+6,-10%	±5.0%	±2.0%	+8,-3%	±8.0%	±5.0%
	LINE REGULATION Note.4	±0.5%	±1.0%	±1.0%	±1.0%	±0.5%	±1.0%	±1.0%	±1.0%	±0.5%	±1.0%	±1.0%	±1.0%
	LOAD REGULATION Note.5	±1.0%	±3.0%	±6.0%	±2.0%	±1.0%	±3.0%	±6.0%	±2.0%	±1.0%	±3.0%	±5.0%	±2.0%
	SETUP, RISE TIME	500ms, 20	ms/230VA	C 120	00ms, 30m	s/115VAC a	t full load						
	HOLD UP TIME (Typ.)	25ms/230VAC 30ms/115VAC at full load											
INPUT	VOLTAGE RANGE	88 ~ 132VAC / 176 ~ 264VAC selected by switch 248 ~ 373VDC(Withstand 300VAC surge for 5sec. Without damage)											
	FREQUENCY RANGE	47 ~ 63Hz											
	EFFICIENCY (Typ.)	79%				80%				82%			
	AC CURRENT (Typ.)	3A/115VA	3A/115VAC 2A/230VAC										
	INRUSH CURRENT (Typ.)	COLD START 40A/230VAC											
	LEAKAGE CURRENT	<2mA / 240VAC											
PROTECTION	OVERLOAD	110 ~ 150% rated output power											
		Protection type: Hiccup mode, recovers automatically after fault condition is removed											
	OVER VOLTAGE	CH1: 5.75 ~ 6.75V											
	OVER VOLIAGE	Protection type: Hiccup mode, recovers automatically after fault condition is removed											
ENVIRONMENT	WORKING TEMP.	-25 ~ +70°C (Refer to "Derating Curve")											
	WORKING HUMIDITY	20 ~ 90% RH non-condensing											
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH											
	TEMP. COEFFICIENT	$\pm 0.03\%$ (0 ~ 50°C) on +5V output											
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes											
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved											
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC											
EMC (Note 7)	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH											
	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3											
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A											
OTHERS	MTBF	203.1Khrs min. MIL-HDBK-217F (25°C)											
	DIMENSION		199*110*50mm (L*W*H)										
	PACKING	0.88Kg; 20pcs/17.6Kg/0.8CUFT											
NOTE	 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 0.1uf & 47uf parallel capacitor. Tolerance: includes set up tolerance, line regulation and load regulation. Line regulation is measured from low line to high line at rated load. Load regulation is measured from 20% to 100% rated load, and other output at 60% rated load. Each output can work within current range. But total output power can't exceed rated output power. 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. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." 												

