

**120W Quad Output Switching Power Supply**



**GQ-120...**

**Feature**

- High efficiency, high reliability
- AC input range selected by switch
- 100% full load burn-in test
- Protections:  
 Short circuit/ Over load/ Over voltage
- Fixed switching frequency at 25KHz
- 2 years warranty
- Dimensions: 199\*110\*50mm (L\*W\*H)

**Notes:**

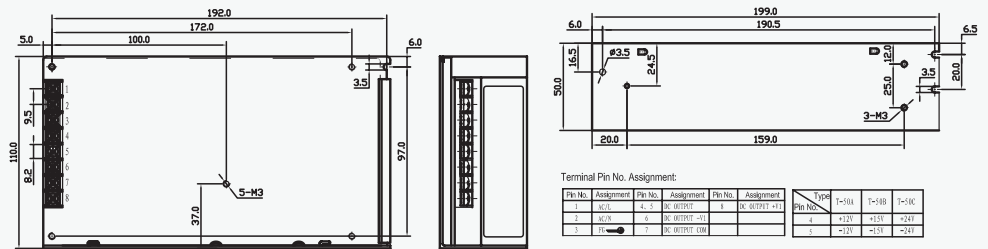
- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μ & 47μf parallel capacitor.

• Each output can within current range. But total output power can't exceed rated load

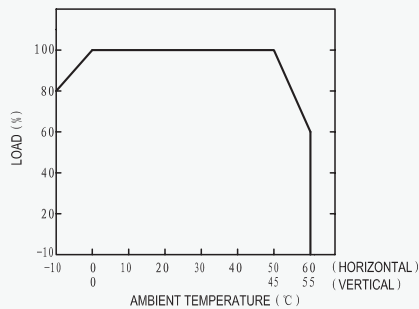
• The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model	GQ-120B				GQ-120C				GQ-120D				
	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH3	CH1	CH2	CH3	CH3	
Output	DC Voltage	5V	12V	-5V	-12V	5V	15V	-5V	-15V	5V	12V	24V	-12V
	Voltage Tolerance	±2%	±6%	±6%	±6%	±2%	+10 -5%	±6%	+10 -5%	±2%	±6%	±6%	±6%
	Rated Current	11A	4A	1A	1A	10A	3.5A	1A	1A	8A	2A	2A	1A
	Current Range	2-12A	0.5-5A	0.2-1A	0.2-1A	2-12A	0.5-5A	0.2-1A	0.2-1A	2-12A	0.5-5A	0.2-1A	0.2-1A
	Rated Power	120W				122.5W				124W			
	Ripple & Noise	80mV	120mV	80mV	120mV	80mV	120mV	80mV	120mV	80mV	120mV	80mV	120mV
	DC Voltage adi.Range	CH1: -5%, +10%											
Setup,Rise,Hold Time	200ms, 50ms, 20ms at full load												
Input	Voltage Range	88-132VAC/176-264 VAC 47-63Hz; selected by switch 240-370VDC											
	AC Current	2.8A/115V 1.6A/ 230 V											
	Efficiency	77%				76%				78%			
	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	CH1:115%~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											
Safety	Vibration	10-500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes											
	Withstand Voltage	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC											
Standards	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M /500VDC											
	Safety Standard	Design refer to 1950,TUV EN60950											
Others	EMC Standard	Design reefer to EN55022(CISPR22),EN61000-3-2,-3, EN55024,EN61000-4-2,3,4,5,6,8,11; ENV50204											
	Weight	0.86Kg											
Others	Packing	14pcs/13Kg/0.95CUFT											

**Outline and dimension**



**Derating Curve**



**Static Characteristics**

