

60W Quad Output Switching Power Supply



GQ-60...

Feature

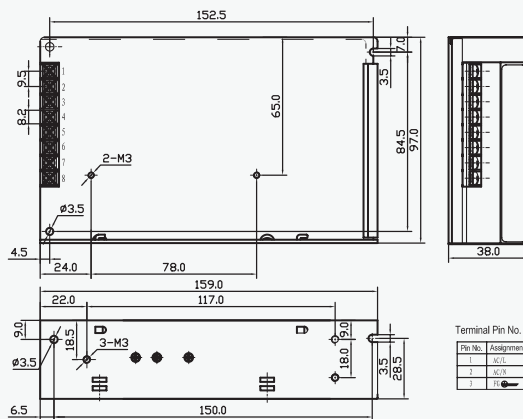
- High efficiency, high reliability
- Universal AC input /full range
- Protections:
 Short circuit/ Over load/ Over voltage
- Cooling by free air convection
- LED indicator for power on
- Fixede switching frequency at 35KHz
- 2 years warranty
- Dimensions: 159*97*38mm (L*W*H)

Notes:

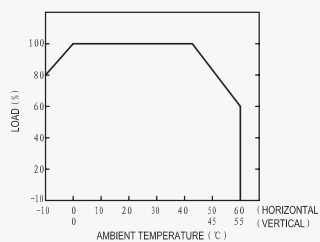
- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μ & 47μf parallel capacitor.
- Each output can within current range. But total output 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-60B				GQ-60C				GQ-60D				
	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%	±5%	±5%	±2%	+8 -4 %	±5%	±5%	±2%	±6%	+8 -4 %	±5%
	Rated Current	5.5A	2A	0.5A	0.5A	5.5A	1.5A	0.5A	0.5A	4A	1A	1A	0.5A
	Current Range	0.5-8A	0.1-3A	0.1-1A	0.1-1A	0.5-8A	0.1-3A	0.1-1A	0.1-1A	0.5-8A	0.1-3A	0.1-1A	0.1-1A
	Rated Power	57.5W				61W				62.5W			
	Ripple & Noise	100mV	120mV	100mV	120mV	100mV	120mV	100mV	120mV	100mV	120mV	100mV	120mV
	DC Voltage adi.Range	CH1: -5%, +10%											
Input	Setup,Rise,Hold Time	1600ms,20ms,12ms/115VAC800ms,20ms, 60ms/230VAC at full load											
	Voltage Range	85-264 VAC 47-63Hz, 120-370VDC											
	AC Current	2A/115V 0.8A/ 230 V											
	Efficiency	70%				72%				75%			
	Inrush Current	Cold start 18A/115V36A/230V											
Protection	Leakage Current	<1 mA/240VAC											
	Over Load	105%~150% /115VAC Protection type: Shut down o/p voltage, recovers automatically after fault condition is removed											
Environment	Over Voltage	5V: 115%~135% Protection type: Hiccup mode, recovers automatically after fault condition is removed											
	Working Temp & Humidity	-10°C~+60°C, 20%~90 %RH											
Safety	Storage Temp & Humidity	-20°C~+85°C, 10%~95 %RH											
	Vibration	10-500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes											
Standards	Withstand Voltage	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC											
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M /500VDC											
Others	Safety Standard	Design refer to UL60950											
	EMC Standard	Design refer to EN55022,EN61000-3-2,-3, EN61000-4-2,3,4,5,6,8,11; ENV50204											
Others	Weight	0.56Kg											
	Packing	30pcs/17Kg/0.86CUFT											

Outline and dimension



Derating Curve



Static Characteristics

