

65W Quad Output Switching Power Supply

RQ-65 series



Features :

- Universal AC input / Full range
- 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°C long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
- High operating temperature up to 70°C
- Withstand 5G vibration test
- High efficiency, long life and high reliability
- 3 years warranty



SPECIFICATION

	ATION												
MODEL		RQ-65B				RQ-65C				RQ-65D			
OUTPUT	OUTPUT NUMBER	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4
	DC VOLTAGE	5V	12V	-5V	-12V	5V	15V	-5V	-15V	5V	12V	24V	-12V
	RATED CURRENT	6A	2A	0.5A	0.5A	5A	2A	0.5A	0.5A	4A	1.5A	1A	0.5A
	CURRENT RANGE Note.6	0.5 ~ 8A	0.2 ~ 3A	0~1A	0~1A	0.5~8A	0.2 ~ 3A	0~1A	0~1A	0.5 ~ 8A	0.2 ~ 3A	0.1 ~ 1.5A	0~1A
		62.5W	2.5W 65W 68W							1			
	RIPPLE & NOISE (max.) Note.2	2 80mVp-p 120mVp-p 80mVp-p 80mVp-p			80mVp-p 120mVp-p 80mVp-p 80mVp-p			80mVp-p 120mVp-p 180mVp-p 80mVp-r					
	VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V			CH1: 4.75 ~ 5.5V			CH1: 4.75 ~ 5.5V					
	VOLTAGE TOLERANCE Note.3	±2.0%	+9,-5%	±5.0%	±5.0%	±2.0%	+10,-4%	±5.0%	±5.0%	±2.0%	±6.0%	±8.0%	±5.0%
	LINE REGULATION Note.4	±0.5%	±1.5%	±0.5%	±0.5%	±0.5%	±1.5%	±0.5%	±0.5%	±0.5%	±1.5%	±2.0%	±0.5%
	LOAD REGULATION Note.5	±0.5%	±3.0%	±1.0%	±1.0%	±0.5%	±4.0%	±1.0%	±1.0%	±0.5%	±3.0%	±5.0%	±1.0%
	SETUP, RISE TIME	500ms, 20ms/230VAC 1200ms, 30ms/115VAC at full load											
	HOLD UP TIME (Typ.)	60ms/230VAC 14ms/115VAC at full load											
INPUT	VOLTAGE RANGE	88 ~ 264VAC 125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)											
	FREQUENCY RANGE	47~63Hz											
	EFFICIENCY (Typ.)	76%	76% 76%							78%			
	AC CURRENT (Typ.)	2A/115VAC 1.2A/230VAC											
	INRUSH CURRENT (Typ.)	COLD START 40A/230VAC											
	LEAKAGE CURRENT	<2mA/240VAC											
PROTECTION		110 ~ 150% rated output power											
	OVERLOAD	Protection type : Hiccup mode, recovers automatically after fault condition is removed											
		CH1: 5.75 ~ 6.75V											
	OVER VOLTAGE	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	±0.03%/°C (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:2KVAC 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	245.5Khrs min. MIL-HDBK-217F (25°C)											
	DIMENSION	129*98*38mm (L*W*H)											
	PACKING	0.44Kg; 3	0pcs/13.2k	Kg/0.72CUF	T								
NOTE	 Ripple & noise are measured Tolerance : includes set up Line regulation is measured Load regulation is measured Each output can work within The power supply is consid 	Illy mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. ed at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. tolerance, line regulation and load regulation. d from low line to high line at rated load. d from 20% to 100% rated load, and other output at 60% rated load. n current range. But total output power can't exceed rated output power. lered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on ate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to bease refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)											





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