



Features:

- Universal AC input / Full range
- Protections:Short circuit/Over load/Over voltage
- Cooling by free air convection
- With power good signal output(Optional)
- 100% full load burn-in test
- Fixed switching frequency at 45KHz
- 2 years warranty



SPECIFICATION

MODEL		PQ-100B				PQ-100C				
	OUTPUT NUMBER	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	
	DC VOLTAGE	5V	12V	-5V	-12V	5V	15V	-5V	-15V	
	RATED CURRENT	10A	3.5A	0.5A	0.5A	8A	3.5A	0.5A	0.5A	
	CURRENT RANGE	2 ~ 10A	0.5 ~ 4.5A	0 ~ 1A	0 ~ 1A	2 ~ 8A	0.5 ~ 4A	0 ~ 1A	0 ~ 1A	
	RATED POWER	100.5W				102.5W				
OUTDUT	RIPPLE & NOISE (max.) Note.2	80mVp-p	250mVp-p	80mVp-p	120mVp-p	80mVp-p 150mVp-p 80mVp-p 150mVp-p				
OUTPUT	VOLTAGE ADJ. RANGE	CH1:4.75 ~ 5.5V				CH1:4.75 ~ 5.5V				
	VOLTAGE TOLERANCE Note.3	±3.0%	±12%	±6.0%	±6.0%	±2.0%	±6.0%	±6.0%	±6.0%	
	LINE REGULATION	±1.0%	±5.0%	±1.0%	±1.0%	±1.0%	±3.0%	±1.0%	±1.0%	
	LOAD REGULATION	±2.0%	±5.0%	±1.0%	±1.0%	±1.0%	±5.0%	±1.0%	±1.0%	
	SETUP, RISE TIME	1200ms, 50ms	200ms, 50ms at full load							
	HOLD TIME (Typ.)	80ms at full load								
	VOLTAGE RANGE	100 ~ 264VAC 141 ~370VDC (90 ~ 100VAC 90% load max.)								
	FREQUENCY RANGE	47 ~ 63Hz								
INPUT	EFFICIENCY(Typ.)	72%	72% 74%							
• .	AC CURRENT (Typ.)	3A/115VAC 1.5A/230VAC								
	INRUSH CURRENT (Typ.)	COLD START 50A								
	LEAKAGE CURRENT	<1mA/240VAC								
	OVER LOAD	105% ~ 135% rated output power								
PROTECTION	OVERCOAD	Protection type : Hiccup mode, recovers automatically after fault condition is removed								
PROTECTION	OVED VOLTACE	CH1: 5.75 ~ 6.75VDC								
OVER VOLTAGE Protection type: Hiccup mode, recovers automatically after fault condition is removed										
FUNCTION	POWER GOOD	≥1ms								
	WORKING TEMP.	-10 ~ +50 °C ,60 °C with cooling fan(Refer to output load derating curve)								
	WORKING HUMIDITY	20 ~ 90% RH non-condensing								
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH								
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)								
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, Period for 60min.each along X, Y, Z axes								
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 Approved I/P-O/P:3KVAC								
	WITHSTAND VOLTAGE									
SAFETY &	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC								
EMC	EMI CONDUCTION & RADIATION	ATION Compliance to EN55022 (CISPR22) Class B								
(Note 4)	HARMONIC CURRENT	Compliance to EN61000-3-2,-3								
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,11; ENV50204, Light industry level, criteria A								
	MTBF	258.6K hrs min. MIL-HDBK-217F (25°C)								
OTHERS	DIMENSION	177.8*107.95*46mm (L*W*H)								
	PACKING	0.56Kg; 24pcs/14.5Kg/1.19CUFT								
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. 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. 									





Features:

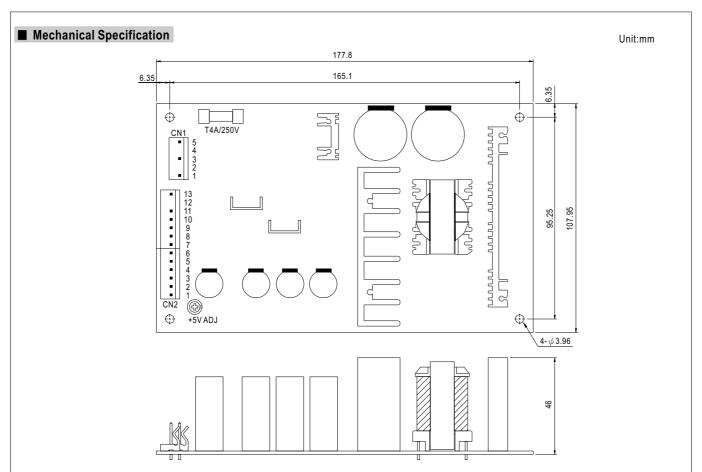
- Universal AC input / Full range
- Protections:Short circuit/Over load/Over voltage
- Cooling by free air convection
- With power good signal output(Optional)
- 100% full load burn-in test
- Fixed switching frequency at 45KHz
- 2 years warranty

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SPECIFICATION

MODEL		PQ-100D				PQ-100E					
	OUTPUT NUMBER	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4		
	DC VOLTAGE	5V	12V	24V	-12V	5V	12V	15V	24V		
	RATED CURRENT	5A	2A	2A	0.5A	8A	3A	0.6A	0.6A		
	CURRENT RANGE	2 ~ 5A	0.5 ~ 4.5A	0.4 ~ 2A	0 ~ 1A	2 ~ 8A	0.5 ~ 3A	0 ~ 1A	0 ~ 1A		
	RATED POWER	103W				99.4W					
OUTPUT	RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	180mVp-p	120mVp-p	80mVp-p 120mVp-p 150mVp-p 120mVp-p					
OUIPUI	VOLTAGE ADJ. RANGE	CH1:4.75 ~ 5.5	V			CH1:4.75 ~ 5.5V					
	VOLTAGE TOLERANCE Note.3	±2.0%	±6.0%	±10%	±6.0%	±2.0%	±6.0%	±6.0%	±6.0%		
	LINE REGULATION	±1.0%	±3.0%	±1.0%	±1.0%	±1.0%	±3.0%	±1.0%	±1.0%		
	LOAD REGULATION	±1.0%	±5.0%	±5.0%	±1.0%	±1.0%	±5.0%	±1.0%	±1.0%		
	SETUP, RISE TIME	1200ms, 50ms at full load									
	HOLD TIME (Typ.)	80ms at full load									
	VOLTAGE RANGE	100 ~ 264VAC 141 ~370VDC (90 ~ 100VAC 90% load max.)									
	FREQUENCY RANGE	47 ~ 63Hz									
INPUT	EFFICIENCY (Typ.)	77%			74%						
• .	AC CURRENT (Typ.)	3A/115VAC 1.5A/230VAC									
	INRUSH CURRENT (Typ.)	COLD START 50A									
	LEAKAGE CURRENT	<1mA/240VAC									
	OVER LOAD	105% ~ 135% rated output power									
PROTECTION	O VERCEONES	Protection type: Hiccup mode, recovers automatically after fault condition is removed									
PROTECTION	OVER VOLTAGE	CH1: 5.75 ~ 6.75VDC									
	OVER VOLIAGE	Protection type: Hiccup mode, recovers automatically after fault condition is removed									
FUNCTION	POWER GOOD	≧1ms									
	WORKING TEMP.	-10 ~ +50°C ,60 °C with cooling fan(Refer to output load derating curve)									
	WORKING HUMIDITY	20 ~ 90% RH non-condensing									
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH									
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)									
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, Period for 60min.each along X, Y, Z axes									
	SAFETY STANDARDS										
	WITHSTAND VOLTAGE										
SAFETY &	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC									
EMC	EMI CONDUCTION & RADIATION	& RADIATION Compliance to EN55022 (CISPR22) Class B									
(Note 4)	HARMONIC CURRENT	Compliance to EN61000-3-2,-3									
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,11; ENV50204, Light industry level, criteria A									
	MTBF	258.6K hrs min. MIL-HDBK-217F (25°C)									
OTHERS	DIMENSION	177.8*107.95*46mm (L*W*H)									
	PACKING	0.56Kg; 24pcs/14.5Kg/1.19CUFT									
NOTE	Ripple & noise are measure Tolerance : includes set up	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. Folerance: includes set up tolerance, line regulation and load regulation. 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.									





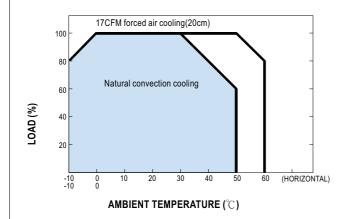
AC Input Connector (CN1): Molex 5273-05 or equivalent

Pin No.	Assignment	Mating Housing	Terminal	
1	FG±			
2,4	No Pin	Molex 5195	Molex 5194	
3	AC/N	or equivalent	or equivalent	
5	AC/L			

DC Output Connector (CN2): Molex 5273-06,07 or equivalent

Pin No.	Assignment	Mating Housing	Terminal		
1,2,3	V1				
4,5,6,7	COM				
8,9	V2	Molex 5195	Molex 5194		
10	Power Good(Option)	or equivalent	or equivalent		
11	V3				
12	No Pin				
13	V4				

■ Output Derating



■ Static Characteristics (B)

