



Features:

- Universal AC input / Full range
- Protections: Short circuit / Overload / 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

CBCE

SPECIFICATION

MODEL		PQ-100B				PQ-100C						
	OUTPUT NUMBER	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4			
ОИТРИТ	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						
	RIPPLE & NOISE (max.) Note.2	80mVp-p 250mVp-p 80mVp-p 120mVp-p			80mVp-p	150mVp-p	80mVp-p	150mVp-p				
	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	at full load	'								
	HOLD UP 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%				74%						
	AC CURRENT (Typ.)	3A/115VAC 1.5A/230VAC										
	INRUSH CURRENT (Typ.)	COLD START 50A										
	LEAKAGE CURRENT	<1mA/240VAC										
PROTECTION	OVERLOAD	105% ~ 135% rated output power										
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed										
	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 "Derating Curve")										
ENVIRONMENT	WORKING HUMIDITY	20 ~ 90% RH non-condensing										
	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										
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC	I/P-FG:1.5K	VAC O/P-FG:	0.5KVAC							
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH										
(Note 4)	EMC EMISSION	Compliance to	EN55022 (CISP	R22) Class B, E	N61000-3-2,-3							
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,11, light industry level, criteria A										
OTHERS	MTBF	258.6K hrs min. MIL-HDBK-217F (25°C)										
	DIMENSION	177.8*107.95*46.5mm (L*W*H)										
	PACKING	0.56Kg; 24pcs/										
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. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) Heat Sink HS1,HS2 can not be shorted. 											





Features:

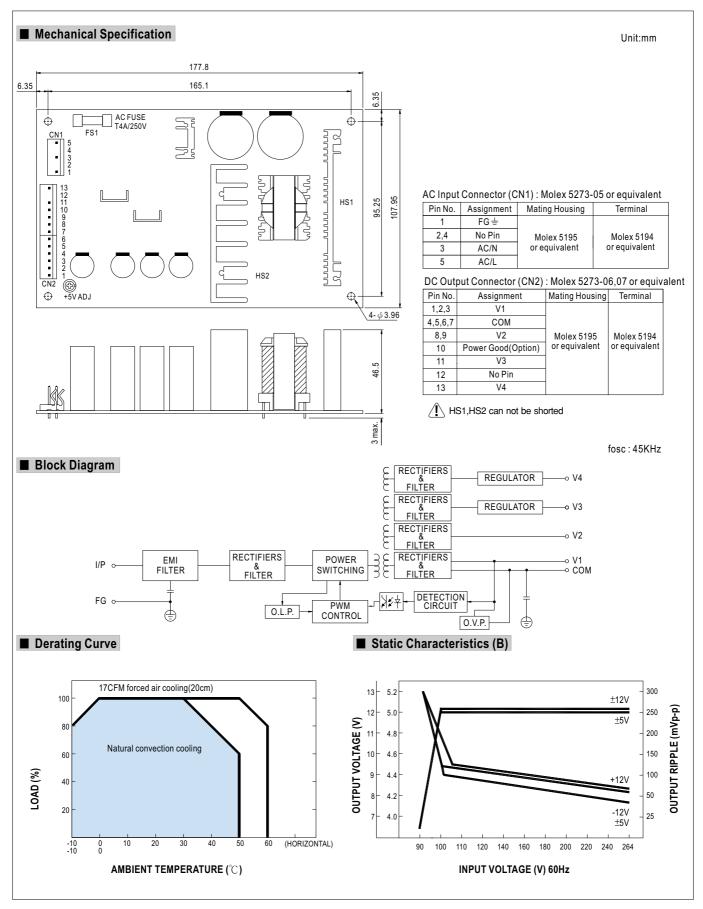
- Universal AC input / Full range
- Protections:Short circuit/Over load/Over voltage
- Cooling by free air convection
- With power good signal output(Optional)
- 100% full load burn-in test
- Fixed switching frequency at 45KHz
- 2 years warranty



SPECIFICATION

MODEL		PQ-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					
OUTDUT	RIPPLE & NOISE (max.) Note.2	80mVp-p 120mVp-p 180mVp-p 120mVp-p				80mVp-p 120mVp-p 150mVp-p 120mVp-p					
OUTPUT	VOLTAGE ADJ. RANGE	CH1:4.75 ~ 5.5V				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%									
	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 type: Hiccup mode, recovers automatically after fault condition is removed									
PROTECTION	OVER LOAD										
	OVED VOLTA OF	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 "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									
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC									
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH									
(Note 4)	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3									
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,11, light industry level, criteria A									
OTHERS	MTBF	258.6K hrs min. MIL-HDBK-217F (25° C)									
	DIMENSION	177.8*107.95*46.5mm (L*W*H)									
	PACKING	0.56Kg; 24pcs/14.5Kg/1.19CUFT									
NOTE	Ripple & noise are measure Tolerance : includes set up The power supply is consid EMC directives. For guidan	ers NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. se are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. includes set up tolerance, line regulation and load regulation. supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets ves. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." e on http://www.meanwell.com) S1,HS2 can not be shorted.									





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