



## Features:

- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at 70KHz(Optional)
- 3 years warranty

## **SPECIFICATION**



MODEL		PPQ-100B				PPQ-100C				PPQ-100D				
	OUTPUT NUMBER	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	
OUTPUT	DC VOLTAGE	5V	12V	-12V	-5V	5V	15V	-15V	-5V	5V	24V	12V	-12V	
	RATED CURRENT	10A	3.4A	0.6A	0.6A	10A	2.6A	0.6A	0.6A	8A	2A	0.6A	0.6A	
	CURRENT RANGE	2 ~ 15A	0.3 ~ 4A	0 ~ 1A	0 ~ 1A	2 ~ 15A	0.3 ~ 4A	0 ~ 1A	0 ~ 1A	2 ~ 10A	0.3 ~ 4A	0 ~ 1A	0 ~ 1A	
	RATED POWER (max.)	101W				101W				102.4W				
	RIPPLE & NOISE (max.) Note.2	100mVp-p 150mVp-p 100mVp-p 100mVp-p 100mVp-p 150mVp-p 100mVp-p 100mVp-p 100mVp-p 200mVp-p 100mVp-p 100mVp-p									p 100mVp			
	VOLTAGE ADJ. RANGE	CH1:4.75 ~ 5.5V											.,	
	VOLTAGE TOLERANCE Note.3	±3.0%	±8.0%	±5.0%	±5.0%	±3.0%	+10,-6%	±5.0%	±5.0%	±3.0%	±8.0%	±5.0%	±5.0%	
	LINE REGULATION	±1.0%	±2.0%	±2.0%	±1.0%	±1.0%	±2.0%	±2.0%	±1.0%	±1.0%	±2.0%	±2.0%	±1.0%	
	LOAD REGULATION	±2.0%	±6.0%	±2.0%	±2.0%	±2.0%	±6.0%	±2.0%	±2.0%	±2.0%	±6.0%	±2.0%	±2.0%	
	SETUP, RISE TIME	800ms, 50	800ms, 50ms/230VAC 1200ms, 50ms/115VAC at full load											
	HOLD UP TIME (Typ.)	24ms/230VAC 24ms/115VAC at full load												
INPUT	VOLTAGE RANGE	90 ~ 264V	90 ~ 264VAC 127 ~370VDC											
	FREQUENCY RANGE	47 ~ 63Hz												
	POWER FACTOR (Typ.)	PF>0.95/230VAC PF>0.98/115VAC at full load												
	EFFICIENCY(Typ.)	75%												
	AC CURRENT (Typ.)	1.65A/115VAC 0.85A/230VAC												
	INRUSH CURRENT (Typ.)	COLD START 30A												
	LEAKAGE CURRENT	<3.5mA /240VAC												
PROTECTION	OVERLOAD.	105% ~ 135% rated output power												
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed												
	OVER VOLTAGE	CH1: 5.75 ~ 6.75V												
		Protection type : Shut down o/p voltage, re-power on to recover												
ENVIRONMENT	WORKING TEMP.	-10 ~ +60	-10 ~ +60°C (Refer to "Derating Curve")											
	WORKING HUMIDITY	20 ~ 90% RH non-condensing												
	STORAGE TEMP., HUMIDITY	-20 ~ +85	-20 ~ +85°C, 10 ~ 95% RH											
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)												
	VIBRATION	10 ~ 500H	lz, 2G 10m	in./1cycle,	period for 6	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	Complian	ce to EN55	022 (CISP	R22) Class	B, EN6100	0-3-2,-3							
	EMC IMMUNITY	Complian	ce to EN61	000-4-2,3,	4,5,6,8,11,	EN55024, I	ight industr	y level, cri	iteria A					
OTHERS	MTBF	162.5K hrs min. MIL-HDBK-217F (25°C)												
	DIMENSION	177.8*107	177.8*107.95*40mm (L*W*H)											
	PACKING	0.62Kg; 2	4pcs/15.9k	(g/1.34CU	FT									
NOTE	Ripple & noise are measure     Tolerance : includes set up     The power supply is consid     EMC directives. For guidan     (as available on http://www.	Imeters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uf & 47 uf parallel capacitor. includes set up tolerance, line regulation and load regulation.  wer supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets includes on how to perform these EMC tests, please refer to "EMI testing of component power supplies." illable on http://www.meanwell.com)  nk HS1.HS2 can not be shorted.												



