

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 year warranty



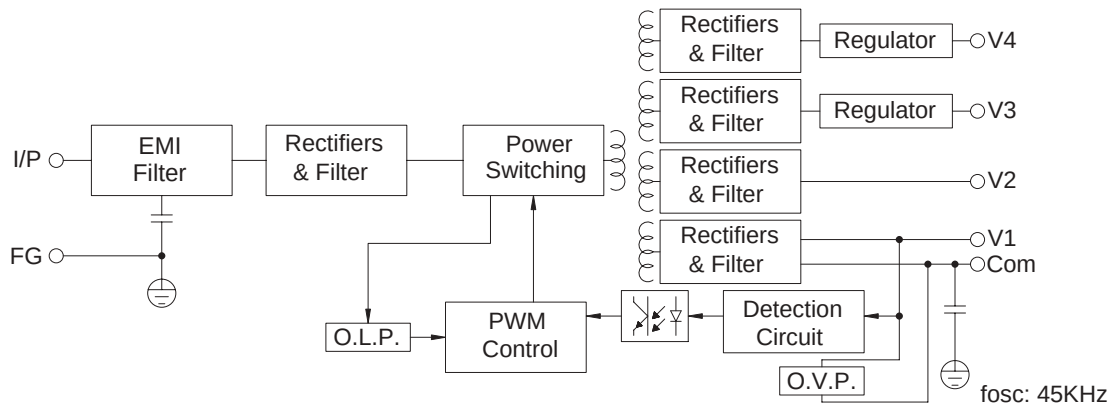
	CH1	CH2	CH3	CH4
DC output voltage	5V	15V	-5V	-15V
Output V. tolerance	±2%	±6%	±6%	±6%
Output rated current	8A	3.5A	0.5A	0.5A
Output current range	2-8A	0.5-4A	0-1A	0-1A
Ripple & noise	80mV	150mV	80mV	150mV
Line regulation	±1%	±3%	±1%	±1%
Load regulation	±1%	±5%	±1%	±1%
DC output power	102.5W			
Efficiency	74%			
DC voltage adj.	CH1: +10, -5%			
Input voltage range	100~264VAC 47~63Hz; 141~370VDC (90~100VAC 90% load max.)			
AC current	3A/115V 1.5A/230V			
Inrush current	cold start 50A			
Leakage current	<1mA/240VAC			
Overload protection	105%-135%			
	type: Hiccup mode, recovers automatically after fault condition is removed			
Over voltage protection	CH1: 5.75~6.75V			
Over temp. protection	-----			
Temperature coefficient	±0.03% / °C (0~50°C) ON +5V output			
Set up, rise, hold up time	1.2s, 50ms, 20ms			
Power good	1ms			
Vibration	10~500Hz, 2G 10 min./1 cycle, period of 60 min. each axes			
Withstand voltage	I/P-O/P: 3KVAC, I/P-FG: 1.5KVAC, O/P-FG: 0.5KVAC, for 1 min.			
Isolation resistance	I/P-O/P, I/P-FG, O/P-FG: 500VDC / 100M Ohms min.			
Working temp., humidity	-10°C~+50°C, 60°C with cooling fan (refer to output derating curve), 20%-90% RH			
Storage temp., humidity	-20°C~+85°C, 10%-95% RH			
Dimensions	7x4.25x1.81 inches (178x108x46 mm)			
Weight	1.1 lb. (0.5 Kg)			
Safety standards	UL1950, TUV EN60950			
EMC standards	CISPR22 (EN55022) CLASS B			

Notes:

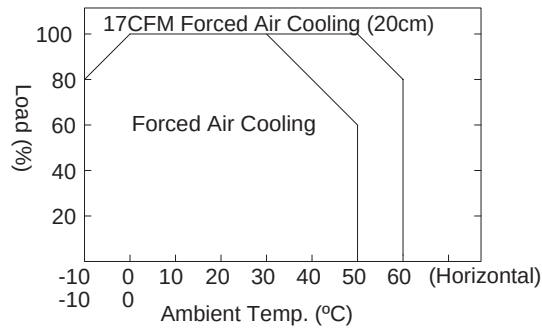
1. All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient
2. Tolerance includes set up tolerance, line regulation, load regulation
3. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF & 47 uF capacitor
4. Line regulation is measured from low line to high line at rated load
5. Load regulation is measured from 20% to 100% rated load, and oother output at 60% rated load
6. Each output provide up to maximum current, but total load cannot exceed max. output power
7. C2, C3, C11 must be removed

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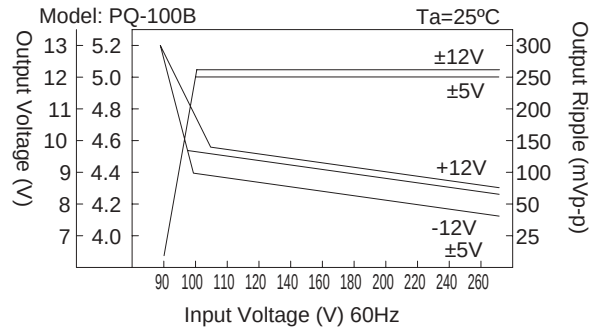
Block Diagram



Output Derating



Static Characteristics



Dimensions (mm)

Terminal Pin No. Assignment

CN1: MOLEX 5273-05

PIN 3,5: AC INPUT

PIN 1: FG

CN2: MOLEX 5273-12

PIN 1,2,3: DC OUTPUT V1

PIN 4,5,6,7: DC OUTPUT COM

PIN 8,9: DC OUTPUT V2

PIN 10: POWER GOOD OPTION

PIN: 11: DC OUTPUT V3

PIN 13: DC OUTPUT V4

Model/Pin No.	PQ-100B	PQ-100C	PQ-100D	PQ-100E
1,2,3	+5V	+5V	+5V	+5V
8,9	+12V	+15V	+12V	+12V
11	-5V	-5V	+24V	+15V
13	-12V	-15V	-12V	+24V

Mating Connectors

CN1,2 Mating Connector Type

Molex 5195 Series or equivalent with

Molex 5194 or equivalent

crimp terminals.

