



MODEL SELECTION

Part Number	PFC	Input Voltage
PCA012	Active PFC	110-230Vac

FEATURES

- Dual Forward Converter design architecture
- 12V to 3.3V D-D VRM layout
- Support Intel Core i5 & i7 CPUs
- Support nVIDIA SLi & ATi Crossfire multi-GPU VGA cards
- Compliance with ErP Lot 6 2010: 5Vsb AC input < 1W at standby & off mode
- 110-230Vac input with active PFC design
- 85% efficiency
- Support AMD Phenom & Athlon CPUs

GENERAL SPEC.

Hold-up Time	16ms@max. load 115V/60Hz or 230V/50Hz
Dimensions	150 x 140 x 86 (mm)
MTBF	500KHrs
Output Rise Time	0.2~20ms
PG Signal Rise Time	<1ms

ENVIRONMENTAL SPEC.

Operating Temperature	0 ~ 50°C
Storage Temperature	-40 ~ 70°C

OUTPUT CURRENT CAPACITY

Voltage	Min. Load	Max. Load	Combined	Combined
+5V	0.2A	20A	120W	383.9W
+3.3V	0.1A	16A		
+12V1	0.1A	18A	360W	
+12V2	0.5A	18A		
-12V	0A	0.3A	3.6W	16.1W
+5Vsb	0.05A	2.5A	12.5W	

INPUT SPEC.

Input Voltage Range	110-230Vac
Input Frequency Range	50-60Hz
AC Input Current	6-3A@110-230V
PFC (Harmonic)	Meet EN61000-3-2 Class D
EMI/RFI	CISPR 22 Class B

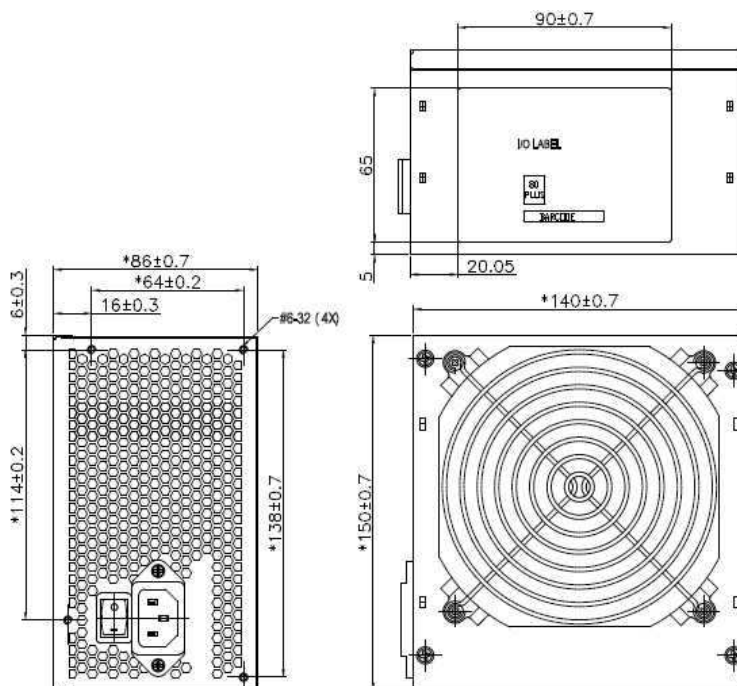
OUTPUT SPEC.

Output Power	400W
Max. Power	450W
Efficiency	82%@20% load; 85%@50% load; 82%@100% load
OVP	+3.3V:4.5V, +5V:7V, +12V1&V2:16V
OCP	+3.3V, +5V, +12V shut down at each output
OTP	Latch off all main outputs if over temperature
SCP	Latch off all main outputs reset by cycling on/off control or AC power

SAFETY

UL, CUL, TUV, CE, BSMI, CCC, C-Tick, CB

OUTLINE DRAWING



Cabling:

- 24pin for M/B x 1
- 4+4pin for CPU x 1
- SATA x 6
- Peripheral 4pin x 2
- 6+2pin PCI-E x 2