



MODEL SELECTION

| Part Number | PFC | Input Voltage |
|-------------|------------|---------------|
| PCA014 | 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 2013: 5Vsb AC input < 0.5W 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 ~ 35°C |
| Storage Temperature | -40 ~ 70°C |

OUTPUT CURRENT CAPACITY

| Voltage | Min. Load | Max. Load | Combined | Combined |
|---------|-----------|-----------|----------|----------|
| +5V | 1A | 23A | 160W | 583.9W |
| +3.3V | 0.5A | 20A | | |
| +12V1 | 1A | 25A | 574W | |
| +12V2 | 1A | 22A | | |
| +12V3 | 1A | 22A | | |
| -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 | 10-6A@110-230V |
| PFC (Harmonic) | Meet EN61000-3-2 Class D |
| EMI/RFI | CISPR 22 Class B |

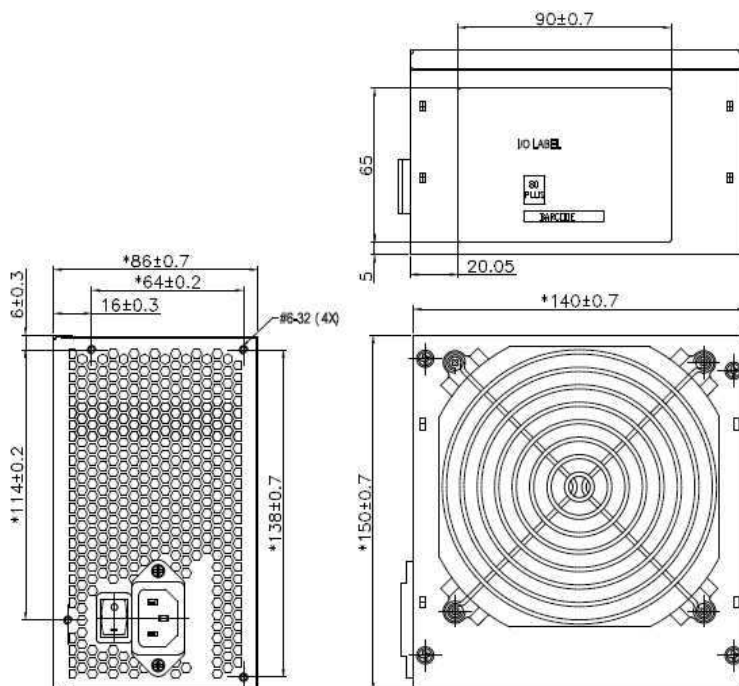
OUTPUT SPEC.

| | |
|--------------|------------------------------------------------------------------------|
| Output Power | 600W |
| Max. Power | 650W |
| Efficiency | 82%@20% load; 85%@50% load; 82%@100% load |
| OVP | +3.3V:4.5V, +5V:7V, +12V1,V2&V3:16V |
| 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 4