

Power Supply



ATX 12V 2.31 Version PL Series-200/230/250/300/350



Features

- 5 outputs (-12V, +5V, +3.3V, +12V, 5VSB)
- Low acoustic noise
- High reliability
- Remote On / Off
- Built-in EMI filter
- Thermal fan speed control
- Passive PFC function (Optional)

Specification

| | |
|------------------------|--------------------|
| Efficiency | > 65% (max. load) |
| Hold Time | > 17ms (max. load) |
| Rise Time | < 20ms (max. load) |
| Short Protection | All outputs |
| Overvoltage Protection | +5V, +12V, +3.3V |

Environment

| | |
|------------------------------|----------------------|
| Operation Temp. | 10°C ~ 50°C |
| Storage Temp. | -20°C ~ +60°C |
| Storage altitude | sea level to 50000ft |
| Operating & Storage humidity | 10% ~ 95%RH |
| Operating altitude | sea level to 10000ft |







Input

| | |
|-----------------|--|
| Voltage Range | 90 ~ 135 / 180 ~ 264VAC (slide switch) |
| Frequency Range | 47 ~ 63 Hz |

Mechanical

Dimension : 150(W) x 86(H) x 140(D) mm

Cables

| |  |  |  |  |  |  |
|------------------|---|---|---|--|---|---|
| | 20+4 Pin | P4 Connector (CPU) | 4 Pin Connector (IDE) | SATA Connector | 4 Pin Connector (Floppy) | PCI-E 6+2Pin |
| 200W-250W | x1 | x1 | x2 | x2 | - | - |
| 300W-350W | x1 | x1 | x2 | x4 | - | x1 (Optional) |

| Model | | 200 | 230 | 250 | 300 | 350 |
|---------------------------|-----------|------|------|------|------|------|
| AC Input | 115V 60Hz | 5A | 6A | 7A | 7A | 8A |
| | 230V 50Hz | 3A | 3A | 4A | 4A | 5A |
| DC Output | +5V | 14A | 15A | 15A | 15A | 15A |
| | +3.3V | 13A | 14A | 16A | 21A | 21A |
| | +12V | 13A | 15A | 16A | - | - |
| | +12V1 | - | - | - | 11A | 11A |
| | +12V2 | - | - | - | 8A | 14A |
| | -12V | 0.3A | 0.3A | 0.3A | 0.3A | 0.3A |
| | +5Vsb | 2A | 2A | 2A | 2.5A | 2.5A |
| +3.3V & 5V MAX | | 80W | 85W | 90W | 103W | 103W |
| Max Power | | 200W | 230W | 250W | 300W | 350W |

- Regulation tolerance shall include temperature change, warm up drift and dynamic load.
- Ripple and noise are measured differentially at the supply using load that are each shunted by at least a 0.1uf ceramic disc capacitor and a 10uf electrolytic capacitor bandwidth up to 20 MHz.