

# Power Supply



## ATX & EPS 12V Version PH Series-550/600/650/700/750



### Features Environment

- Active Power factor correction
- Universal AC input Voltage
- ATX 12V & EPS 12V 2.92
- Ultra quiet fan speed control design
- Build-in 12cm DC fan
- High efficiency>82%

|                              |                      |
|------------------------------|----------------------|
| 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 |

### Specification Input








|                         |                    |
|-------------------------|--------------------|
| Efficiency              | > 82% (max. load)  |
| Hold Time               | > 17ms (max. load) |
| Rise Time               | < 20ms (max. load) |
| Short Protection        | All outputs        |
| Oversvoltage Protection | +5V, +12V, +3.3V   |

|                 |                             |
|-----------------|-----------------------------|
| Voltage Range   | 100Vac~240Vac (Auto Switch) |
| Frequency Range | 47~63 Hz                    |

### Mechanical

Dimension : 150(W) x 85(H) x 140(D) mm

### Cables

|             |  |  |  |  |  |  |  |
|-------------|---|---|---|---|--|---|---|
|             | 20+4 Pin  | P4+P4(CPU)  | 4 Pin Connector (IDE)   | SATA Connector  | 4 Pin Connector (Floppy)   | PCI-E 6+2PIN  | PCI-E 6PIN  |
| <b>550W</b> | x1  | x1  | x3  | x4  | x1   | x1  | x2  |
| <b>600W</b> | x1  | x1  | x3  | x4  | x1   | x1  | x2  |
| <b>650W</b> | x1  | x1  | x3  | x4  | x1   | x2  | x2  |
| <b>700W</b> | x1  | x1  | x3  | x6  | x1   | x2  | x2  |
| <b>750W</b> | x1  | x1  | x3  | x6  | x1   | x2  | x2  |

| Model            | 550                      | 600                      | 650                      | 700                      | 750                      |      |
|------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------|
| <b>AC Input</b>  | 100~240V/12~5.3A/50~60Hz | 100~240V/12~5.3A/50~60Hz | 100~240V/12~5.3A/50~60Hz | 100~240V/12~5.3A/50~60Hz | 100~240V/12~5.3A/50~60Hz |      |
| <b>DC Output</b> | +5V                      | 22A                      | 25A                      | 25A                      | 25A                      | 25A  |
|                  | +3.3V                    | 20A                      | 26A                      | 26A                      | 26A                      | 26A  |
|                  | +12V1                    | 16A                      | 16A                      | 18A                      | 20A                      | 22A  |
|                  | +12V2                    | 16A                      | 18A                      | 18A                      | 22A                      | 24A  |
|                  | +12V3                    | -                        | -                        | -                        | -                        | -    |
|                  | +12V4                    | -                        | -                        | -                        | -                        | -    |
|                  | -12V                     | 0.3A                     | 0.3A                     | 0.3A                     | 0.3A                     | 0.3A |
| +5Vsb            | 3.0A                     | 3.0A                     | 3.0A                     | 3.0A                     | 3.0A                     |      |
| <b>Max Power</b> | 550W                     | 600W                     | 650W                     | 700W                     | 750W                     |      |

- 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.