

# Power Supply

## ATX 12V 2.2 Version PK Series-300/350/400/500



### Features

- 6 outputs (-12V, +5V, +3.3V, +12V1, +12V2, 5VSB)
- Low acoustic noise
- High reliability
- Remote On / Off
- Built-in EMI filter
- Thermal fan speed control
- Active PFC function (Optional)

### 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 |

### 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   |

### 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

| <b>300W-350W</b> | x1 | x1 | -  | x2 | x4 | - | Optional |
|------------------|----|----|----|----|----|---|----------|
| <b>400W~500W</b> | x1 | -  | x1 | x2 | x4 | - | x1       |

| Model                     |           | 300  | 350  | 400  | 500            |
|---------------------------|-----------|------|------|------|----------------|
| <b>AC</b>                 | 115V 60Hz | 7A   | 8A   | 10A  | 10A            |
| <b>Input</b>              | 230V 50Hz | 4A   | 5A   | 5A   | 5A             |
|                           | +5V       | 20A  | 21A  | 28A  | 30A            |
|                           | +3.3V     | 20A  | 22A  | 26A  | 28A            |
| <b>DC</b>                 | +12V1     | 8A   | 10A  | 14A  | 17A            |
| <b>Output</b>             | +12V2     | 14A  | 15A  | 15A  | 16A            |
|                           | -12V      | 0.3A | 0.3A | 0.3A | 0.3A           |
|                           | +5Vsb     | 2A   | 2A   | 2A   | 2A (Peak 2.5A) |
| <b>+3.5V &amp; 5V MAX</b> |           | 120W | 130W | 130W | 150W           |
| <b>Max Power</b>          |           | 300W | 350W | 400W | 500W           |

- 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.