

350W Single Output Switching Power Supply

HF350W-SE E Series



FEATURES

- Economic design, competitive price
- Compact size
- Japanese brand components for key parts
- Electrolytic capacitors all 105°C
- Built in fan cooling
- 100% full load burn-in test
- Protections: overload/ over voltage/
over temperature/ short circuit
- 2 years warranty
- F635SE 215 x 115 x 50mm

SPECIFICATIONS

| | |
|--------------------------------|--|
| Input Voltage | 170~264VAC (210~370VDC) |
| Input Current | 4.5A |
| Input Frequency | 47~63Hz |
| Inrush Current | cold start, 40A/230V |
| Input Leakage Current | < 0.7mA/230VAC |
| Line Regulation (full load) | ± 0.5% |
| Voltage Adjust Range | ± 10% |
| Output Overload Protection | 110~130%, shut off, re-power on to recover |
| Output Over Voltage Protection | 115~150%, shut off, re-power on to recover |
| Short Circuit Protection | shut off, re-power on to recover |
| Rise Time | 50ms @full load (typical) |
| Hold up Time | 20ms @full load (typical) |
| Mechanical Feature | enclosed |
| Dimensions | 215 x 115 x 50mm (L x W x H) |

| | |
|-----------------------|---|
| Operating Temperature | -20°C ~+70°C(ref. derating curve) |
| Storage Temperature | -20°C ~+85°C |
| Operating Humidity | 20%~93%RH(non condensing) |
| Storage Humidity | 20%~95%RH(non condensing) |
| MTBF | >100,000 hours |
| Cooling | fan |
| Safety Standards | design meet GB4943, UL60950, EN60950 |
| EMC Standards | design meet GB9254, EN55022 Class A |
| Withstand Voltage | I/P - O/P: 1.5KVAC/1min I/P - F/G: 1.5KVAC/1min O/P-F/G: 0.5KVAC/1min |
| Vibration | 10~150Hz, 2G 10min/1cycle, 30min each along X, Y, Z axes |
| Connection | 9P/9.5mm screw terminal block |
| Packing | 0.88kgs, 20pcs/19.5kgs/0.045CBM per carton |

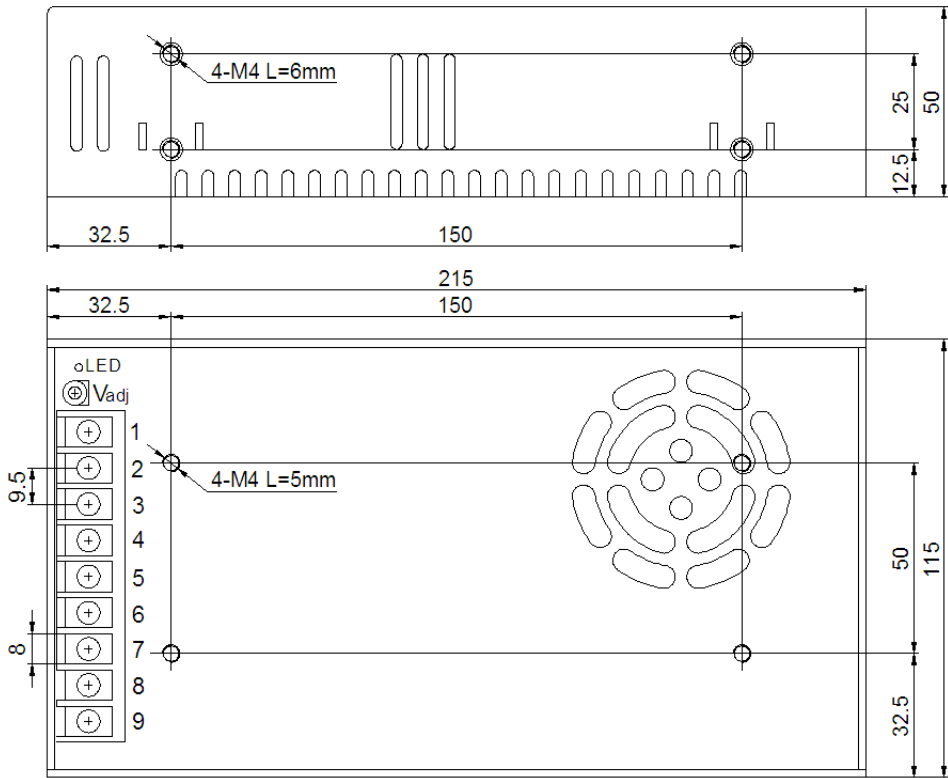
| Model No. | DC Output | Rated Power | Load Regulation | Voltage Tolerance | Ripple & Noise (max.) | Efficiency |
|--------------|-----------|-------------|-----------------|-------------------|-----------------------|------------|
| HF350W-SE-5 | 5V 60.0A | 300.0W | 0.5% | ± 2% | 120mVp-p | 75% |
| HF350W-SE-12 | 12V 29.0A | 348.0W | 0.5% | ± 1% | 150mVp-p | 75% |
| HF350W-SE-15 | 15V 23.0A | 345.0W | 0.5% | ± 1% | 150mVp-p | 76% |
| HF350W-SE-24 | 24V 14.6A | 350.4W | 0.5% | ± 1% | 150mVp-p | 82% |
| HF350W-SE-48 | 48V 7.3A | 350.4W | 0.5% | ± 1% | 240mVp-p | 84% |

* 5~48VDC output all available

NOTE

1. All parameters are measured at 230VAC input, rated load and 25°C ambient temperature.
2. Line regulation is measured from low line to high line at rated load.
3. Load regulation is measured from 0% to 100% of rated load for single output models. For multi-output models, it is measured from 20% to 100% of rated load, and other output at 60% rated load.
4. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
5. The power supply is regarded as a component which will be installed into the final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Drawing



Length of assembly screw: max. 6mm

Terminal Pin No. Assignment

| Pin No. | Assignment | Pin No. | Assignment |
|---------|--------------|---------|------------|
| 1,2,3 | DC OUTPUT +V | 7 | PE |
| 4,5,6 | DC OUTPUT -V | 8 | AC/N |
| | | 9 | AC/L |

Derating Curve

