

HSF-50W series Efficient single switching power supply

Features:

- Universal AC input
- Small volume, low weight, high efficiency
- Protections: short circuit/over load/over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- 2 Year warranty



| Model | | HSF-50-5 | HSF-50-12 | HSF-50-15 | HSF-50-24 |
|-------------|--|---|------------|--|-----------|
| Output | DC voltage | 5V | 12V | 15V | 24V |
| | Voltage tolerance | ±2% | ±1% | ±1% | ±1% |
| | Rated current | 10A | 4.2A | 3.4A | 2.1A |
| | Current range | 0~10A | 0~4.2A | 0~3.4A | 0~2.1A |
| | Rated power | 50W | 50.4W | 51W | 50.4W |
| | Ripple&noise | 80mvp-p | 100mvp-p | 120mvp-p | 120mvp-p |
| | DCvoltage ADJ.range | -9%~+10% | ±10% | ±10% | ±10% |
| Input | Voltage range | 90~264VAC, 125~373VDC | | | |
| | Frequency | 47~63Hz | | | |
| | AC current | 1.2A/115VAC, 0.6A/230VAC | | | |
| | Efficiency | 79% | 82% | 82% | 84% |
| | Inrush current | Cold start current 18A/115VAC, 36A/230VAC | | | |
| | Leakage current | < 2mA/240VAC | | | |
| Protection | Over load | Rated output power 110%~150% start over load protection protection type: hiccup mode, auto-recovery after fault condition is removed | | | |
| | Over voltage | 6.8~8.2V | 15.6~17.8V | 18.6~20.8V protection type: hiccup mode, auto-recovery after fault condition is removed | |
| Environment | Working temp,humidity | -20℃~+60℃, 20%~90%RH | | | |
| | Storage temp,humid | -40℃~+85℃, 10%~95%RH non-condensing | | | |
| | Withstand vibration | 10~500HZ, 2G 10min/1cycle, period for 60 minutes, each axes | | | |
| Safety | Withstand voltage | I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC | | | |
| | Isolated resistance | I/P-O/P,I/P-FG,O/P-FG: 100M ohms/500VDC | | | |
| Fitstandard | Safety standard | Fit UL1012 | | | |
| | EMC standard | Meet EN55022, CLASSA | | | |
| Others | Dimension | 111*78*36mm (L*W*H) | | | |
| | Weight/packing | 0.27kg/50pcs/14.5kg/0.027m ³ /0.96CUFT | | | |
| Note | 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature. | | | | |