100W Single Output Switching Power Supply

**SPECIFICATION**

**MODEL**
- SFS-100-6
- SFS-100-12
- SFS-100-15
- SFS-100-24
- SFS-198-36
- SFS-198-48

**DC VOLTAGE**
- SFS-100-6: 5V, 12V
- SFS-100-12: 15V
- SFS-100-15: 25V
- SFS-100-24: 30V
- SFS-198-36: 40V

**RATED CURRENT**
- 15A, 8.5A, 6.7A, 4.2A, 2.5A, 1.4A

**CURRENT RANGE**
- 0 ~ 12A, 0 ~ 8.5A, 0 ~ 6.7A, 0 ~ 4.2A, 0 ~ 2.5A, 0 ~ 1.4A

**RATED POWER**

**VOLTAGE TOLERANCE**
- ±3%, ±1%

**LINE REGULATION**
- ±1%

**LOAD REGULATION**
- ±1%

**SETUP RISE TIME**
- 20ms/240VAC, 25ms/280VAC, 220ms/115VAC

**HOLD UP TIME (Typ.)**
- 50ms/230VAC, 14ms/115VAC at full load

**FREQUENCY RANGE**
- 47 ~ 63Hz

**EFFICIENCY (Typ.)**
- 85%

**AC CURRENT**
- 2.2A/220VAC, 1.2A/115VAC

**INRUSH CURRENT (Typ.)**
- COLD START: 1.5A (typical), 7A (max. measured at 50% load) at 230VAC

**LEAKAGE CURRENT**
- 2.2mA/220VAC

**PROTECTION**
- Over Current: 110% ~ 150% rated input power
  - Protection type: Microchip mode, recovers automatically after fault condition is removed
  - Over Voltage: 105% ~ 120% rated input voltage
  - Protection type: Fuses for On Load and recover

**ENVIRONMENT**
- Working Temp.: -25 ~ +70°C (Refer to "Derating Curve")
- Storage Temp., Humidity: 20 ~ 90% RH non-condensing

**SAFETY & EMC**
- IP20, 250VAC
- ISO10118: 2/20°C, 72°C, RH
- EN55022: Class B, EN61000-3-2, Class A, EN61000-3-3
- EN61000-4-2: 8kV, 4kV, EN61000-4-4: 4kV, 8kV, 10kV
- EN55024: Light industry level, Class A
- MIL-STD-217F: 217F
- CE: Compliant
- DOL: 25% / 20% / 15% / 10% / 5% / 2% / 1%

**DIMENSION**
- 190(W)x70(H)x40(D)mm

**包装**
- 600pcs/50boxes, 45000boxes

**Note**
1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Input A noise is measured at 500kHz of bandwidth by using 12"/2m wired earphone with a 0.1uF & 47uF parallel capacitor.
3. Tolerance: ±3% on the voltage regulation and load regulation.
4. Derating may be needed under low input voltage. Please check the data sheet for more details.
5. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturer must ensure EMC Directive on the complete installation again.
6. Length of set up time is measured at cold start. Turning ON/OFF the power supply may lead to increase of the set up time.
7. This unit might not be suitable for lighting applications in EU countries. Please check with your local authorities for the possible use of the unit.
8. Suitable for indoor use or outdoor use without direct sunlight exposure.