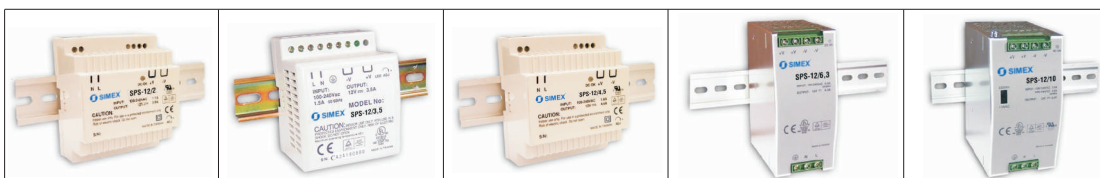


Single output industrial DIN rail power supply 12V

- Universal AC input / Full range,
- Protections: Short circuit / Over load / Over voltage,
- Cooling by free air convection,
- Can be installed on DIN rail TS-35/7,5 or 15,
- UL 508 (industrial control equipment) approved,
- Isolation class,
- LED indicator for power on,
- 100% full load burn-in test.

SPS-12/2 SPS-12/3,5 SPS-12/4,5 SPS-12/6,3 SPS-12/10



Technical data

| | | SPS-12/2 | SPS-12/3,5 | SPS-12/4,5 | SPS-12/6,3 | SPS-12/10 |
|-------------------------|---------------------------------------|---|--|--|--|--|
| OUTPUT | DC VOLTAGE | 12 V | 12 V | 12 V | 12 V | 12 V |
| | RATED CURRENT | 2 A | 3,5 A | 4,5 A | 6,3 A | 10 A |
| | CURRENT RANGE | 0 ~ 2 A | 0 ~ 3,5 A | 0 ~ 4,5 A | 0 ~ 6,3 A | 0 ~ 10 A |
| | RATED POWER | 24 W | 42 W | 54 W | 76 W | 120 W |
| | RIPPLE & NOISE (max.) | 120mVp-p | 200mVp-p | 120mVp-p | 100mVp-p | 80mVp-p |
| | VOLTAGE ADJ. RANGE | 10,8 ~ 13,2 V | 10,8 ~ 13,2 V | 11,1 ~ 13,2 V | 12 ~ 14 V | 12 ~ 14 V |
| | VOLTAGE TOLERANCE | ± 1% | ± 1% | ± 1% | ± 2% | ± 2% |
| | LINE/LOAD REGULATION | ± 1%/± 1% | ± 1%/± 1% | ± 1%/± 1% | ± 0,5%/± 1% | ± 0,5%/± 1% |
| | SETUP, RISE TIME | 230VAC 115VAC | 100ms, 30ms 100ms, 30ms | 800ms, 60ms | 100ms, 30ms 200ms, 30ms | 1000ms, 60ms 1800ms, 60ms |
| HOLD TIME (Typ.) | 230VAC 115VAC | 100ms 21ms | 100ms | 100ms 23ms | 60ms 12ms | 36ms 32ms |
| INPUT | VOLTAGE RANGE | 85 ~ 264 VAC 120 ~ 370 VDC | 85 ~ 264 VAC 120 ~ 370 VDC | 88 ~ 264VAC 124 ~ 370VDC | 85 ~ 264 VAC 120 ~ 370 VDC | 88 ~ 132VAC 248 ~ 370VDC |
| | FREQUENCY RANGE | 47 ~ 63 Hz | 47 ~ 63 Hz | 47 ~ 63 Hz | 47 ~ 63 Hz | 47 ~ 63 Hz |
| | EFFICIENCY (Typ.) | 81% | 77% | 82% | 76% | 80% |
| | AC CURRENT (Typ.) | 0,88A/115VAC 0,48A/230VAC | 1,5A/115VAC 0,75A/230VAC | 1,2A/115VAC 0,8A/230VAC | 1,6A/115VAC 0,96A/230VAC | 2,6A/115VAC 1,6A/230VAC |
| | INRUSH CURRENT (Typ.) | COLD START 15A/115VAC 30A/230VAC | COLD START 28A/115VAC 56A/230VAC | COLD START 18A/115VAC 36A/230VAC | COLD START 20A/115VAC 40A/230VAC | COLD START 20A/115VAC 40A/230VAC |
| PROTECTION | OVER LOAD (rated output power) | 105 ~ 160% | 105 ~ 150% | 105 ~ 160% | 105 ~ 150% | 105 ~ 150% |
| | OVER VOLTAGE | 13,8 ~ 16,2 V | 13,8 ~ 16,2 V | 13,8 ~ 16,2 V | 15 ~ 16,5V | 15 ~ 16,5V |
| | OVER TEMPERATURE | no protection | Tj 135°C | no protection | 85°C ±5°C | 90°C ±5°C |
| ENVIRONMENT | WORKING TEMP., HUMIDITY | -20°C ~ +60°C; 20 ~ 90% RH | | | -10°C ~ +60°C, 20 ~ 90% RH | |
| | STORAGE TEMP., HUMIDITY | -40°C ~ +85°C 10 ~ 95% RH | -20°C ~ +85°C 10 ~ 95% RH | -40°C ~ +85°C 10 ~ 95% RH | -20°C ~ +85°C 10 ~ 95% RH | -20°C ~ +85°C 10 ~ 95% RH |
| | TEMP. COEFFICIENT | 0,03%/°C (0 ~ 50°C) | | | | |
| | VIBRATION | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes | | | | |
| OTHERS | WEIGHT | 0,27 kg | 0,31 kg | 0,3 kg | 0,6 kg | 0,79 kg |
| | DIMENSIONS (W x H x D) | 78x93x56 mm | 78x93x67 mm | 78x93x56 mm | 55,5x125x100 mm | 65,5x125x100 mm |
| | NOTE | 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temp. 2. Ripple & noise are measured at 20MHz of bandwidth using a 12" twisted pair-wire terminated parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. | | | | |