

FEATURES

2 Output Terminals Each For Positive And Negative

2 Mounting Possibilities (DIN Rail and Pannel)

LED Lights-up To Indicate Output Voltage Drop



85-264 Volts AC

EMC Standards:
EN61000-4-2,3,4,5
EMI Standards:
IEC-1000-3-2,3,FCC class B

CSA_{US} approvals

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MODELS WITH LOW VOLTAGE OUTPUT LED INDICATOR

| MODEL | OUTPUT VOLTAGE | OUTPUT CURRENT |
|-----------------|----------------|----------------|
| SP-P015S024P-FT | 24VDC | 0.6A |
| SP-P030S024P-FT | 24VDC | 1.3A |
| SP-P050S024P-FT | 24VDC | 2.1A |
| SP-P100S024P-FT | 24VDC | 4.2A |

| DIMENSIONS | |
|-------------|---|
| SP-P015 | 45mm wide x 75mm long x 98.5mm high |
| SP-P030(50) | 75mm wide x 88mm long x 98.5mm high |
| SP-P100 | 75mm wide x 140mm long x 98.5mm high |
| SP-P240 | 130mm wide x 280mm long x 142.2 mm high |

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Specifications

| High Frequency Current Suppress Function | | | NO (SP-□-FT) | | | | | | |
|--|-----------------------------|-------|---|--|-----------------|---|--|-------------------|---------|
| Item | Capacity | | 15 W | 30 W | 50 W | 100 W | 240 W | 240 W | |
| Efficiency | | | 66%~84% (dependant upon mode selected) | | | | | | |
| Input Conditions | Voltage * 1 | AC | 100~240 V (85~264) | 110 V (85~132V) / 220 V (170~264) switch | | | 110 V (85~132V) / 200 V (170~264) | 100~230V (85~253) | |
| | | DC | 110~350 V | NO | | | | | |
| | Frequency | | 47~450 Hz | | | | | 47~63 Hz | |
| | Current * 2 | 110 V | <0.45A | <0.9A | <1.3A | <2.5A | <5.5A | <4A | |
| | | 220 V | <0.25A | <0.6A | <0.8A | <1.5A | <3.5A | <2A | |
| | | | | | | | | >0.95 | |
| | Leakage Current * 2 | 110 V | <0.5 mA | | | | | | |
| | | 220 V | <1 mA | | | | | | |
| | Rush Current * 2 | 110 V | <15 A | | | | <25 A | | |
| | | 220 V | <30 A | | | | <50 A | | |
| Noise Filter | | | Incorporated | | | | | | |
| Voltage Adjustable Range | | | ±10% (V.ADJ) | | | | | | |
| Ripple | | | <2% (p-p) | | | | | | |
| Input Variable | | | <0.5% (inputAC85~132V/AC170~264V, 100%) | | | <0.5% (inputAC85~132V/AC170~253V, 100%) | | | |
| Load Variable | | | <1.5% (The rated voltage input 10~100% load) | | | | | | |
| Temperature | | | <0.05%/°C (0-50°C the rated input and output) | | | | | | |
| Starting Time | | | <100 ms (The rated input and output, voltage arrival980% of load) | | <200 ms | <300 ms | <1000 ms | | |
| Holding Time | | | >20 ms | | | | | | |
| Additional Functions | Over-current protection * 6 | | | 105~160%A (auto rest) | | | | | |
| | Over-voltage protection *5 | | | (SP-□-FT) Input shut down mode | | | NO | | |
| | Voltage shortage indication | | | Color = Red | | | NO | | |
| | Voltage shortage output | | | NO | SP-P100S024P-FT | SP-P240S024P-FT | NO | | |
| | Parallel operation | | | NO | 2 | | | | |
| Others | Ambient Temperature | | | Refer to derating curve (NO icing or dew) | | | | | |
| | Storage Temperature | | | -25 ~ 65°C | | | | | |
| | Operation Humidity | | | 25 ~ 85% RH | | | | | |
| | Voltage Resistance | | | AC 3.0 kV 50/60 Hz 1 min (input) and (output) AC 2.0 kV 50/60 Hz 1 min (input) and (GR) AC 1.0 kV 50/60 Hz 1 min (output) and (GR) | | | | | |
| | Insulation Resistance | | | >100M Ω (output) and (input) | | | | | |
| | Shock | | | 10~55 Hz 0.375mm Amplitude at x.y.z axial for about 2h | | | 10~55 Hz 0.15mm Amplitude at x.y.z axial for about 2h | | |
| | Vibration | | | 294 m/s ² {30 G} at 6 surfaces for three times | | | | | |
| | Output Indicator | | | Green light | | | | | |
| | EMI | | | IEC-1000-3-2,3,FCC class B | | | | | |
| | EMC | | | EN61000-4-2,3,4,5 | | | | | |
| | Life Expectancy | | | >8 years | | | | | |
| | Weight | | | <260 g | <380 g | <400 g | <600 g | <1800 g | <2200 g |

1. DC input mode is not certified. (Certified only for 15 W mode)
2. Under the conditions: rated voltage input and 100% load output.
3. More details, please refer to idiographic mode.

4. Meet EN50081-2 (At the status: wire inset ferrite core-HF mode of TDK).
5. Reset status: Turned off the power one minute or more before operate it again.