

Panel Mount Switching Mode Power Supplies

SPA Series



Features

- Stable power supply with minimal noise and ripple
- Built-in overcurrent protection circuit, output short-circuit protection circuit, overheat protection circuit, and overvoltage protection circuits (overvoltage protection: SPA-075 / 100 only)
- EN 60950 (Safety of information technology equipment) compliant
- EN 50178 (Electronic equipment for use in power installations) compliant
- EN 61000-6-2 (EMC: immunity for industrial environments) compliant
- EN 61000-6-4 (EMC: emission standard for industrial environments) compliant
- Output voltage: 5 VDC \equiv , 12 VDC \equiv , 24 VDC \equiv
- Output power: 30 W, 50 W, 75 W, 100 W

Specifications

| Output range | 30 to 50 W | | | | | |
|--|----------------|------------|-----------------|------------|-----------------|------------|
| Model | SPA-030-05 | SPA-050-05 | SPA-030-12 | SPA-050-12 | SPA-030-24 | SPA-050-24 |
| Output power | 30 W | 50 W | 30 W | 50 W | 30 W | 50 W |
| Input condition | | | | | | |
| Voltage ⁰¹⁾ | 100 - 240 VAC~ | | | | | |
| Permissible voltage range | 85 - 264 VAC~ | | | | | |
| Frequency | 50 / 60 Hz | | | | | |
| Efficiency ⁰²⁾ (typical) | ≥ 60% | ≥ 67% | ≥ 74% | | ≥ 80% | |
| Current consumption ⁰²⁾ (typical) | ≤ 1.2 A | ≤ 1.6 A | ≤ 1.0 A | ≤ 1.4 A | ≤ 0.8 A | ≤ 1.1 A |
| Inrush current protection (typical) | 100 VAC~ | ≤ 30 A | ≤ 20 A | | ≤ 20 A | |
| | 240 VAC~ | ≤ 40 A | - | | - | |
| Output characteristics | | | | | | |
| Voltage | 5 VDC \equiv | | 12 VDC \equiv | | 24 VDC \equiv | |
| Current | 6 A | 10 A | 2.5 A | 4.2 A | 1.5 A | 2.1 A |
| Voltage adjustment range ⁰³⁾ | ≤ ±5% | | ≤ ±5% | | ≤ ±5% | |
| Input variation ⁰⁴⁾ | ≤ ±0.5% | | ≤ ±0.5% | | ≤ ±0.5% | |
| Load variation ⁰²⁾ | ≤ ±2% | | ≤ ±1% | | ≤ ±1% | |
| Ripple noise ⁰²⁾ | ≤ ±1% | | ≤ ±1% | | ≤ ±1% | |
| Start-up time ⁰²⁾ (typical) | ≤ 200 ms | | ≤ 150 ms | | ≤ 150 ms | |
| Hold time ⁰²⁾ (typical) | ≥ 10 ms | | ≥ 10 ms | | ≥ 10 ms | |
| Protection | | | | | | |
| Over-current protection ⁰⁵⁾ | ≥ 110% | | ≥ 110% | | ≥ 110% | |
| Over-voltage protection ⁰³⁾ | - | | - | | - | |
| Output short-circuit protection | ≤ 5 ms | | ≤ 5 ms | | ≤ 5 ms | |
| Approval | CE ENEC | | CE ENEC | | CE ENEC | |
| Unit weight | ≈ 350 g | | ≈ 350 g | | ≈ 350 g | |



View product detail