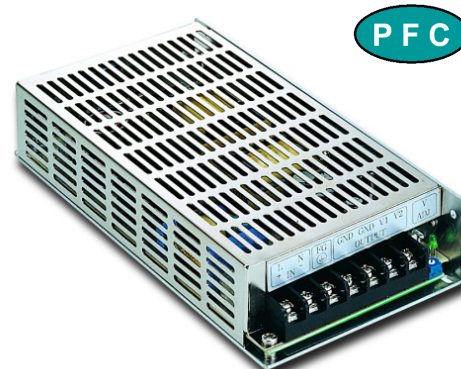


SPS 100P

Single

100W



Country of Origin : Taiwan

Operating Temperature : 0 ~ 70° C

Dimension : 198 x 95 x 38 mm

Approvals / Marks : UL, c-UL, TÜV, CB, CE

**Features:**

Universal AC input with active Power Factor Correction

Built in EMI filter, low ripple noise

Over load, over voltage, short circuit protection

Over temperature protection (Optional)

Remote Control ON/OFF (Optional)

No minimum load requirement

100% 50°C burn-in test

1 year warranty

**Specification:**

| MODEL                           |                      | SPS-100P-3.3                                                                                | SPS-100P-05 | SPS-100P-12 | SPS-100P-15 | SPS-100P-24 | SPS-100P-24O | SPS-100P-24Q | SPS-100P-48 |
|---------------------------------|----------------------|---------------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|
| OUTPUT                          | Voltage              | 3.3V                                                                                        | 5V          | 12V         | 15V         | 24V         | 27V          | 28V          | 48V         |
|                                 | min. Load            | 0A                                                                                          | 0A          | 0A          | 0A          | 0A          | 0A           | 0A           | 0A          |
|                                 | max. Load            | 23A                                                                                         | 20A         | 9.8A        | 7.84A       | 4.9A        | 3.7A         | 3.6A         | 2.1A        |
|                                 | Tolerance            | ±3%                                                                                         | ±2%         | ±1%         | ±1%         | ±1%         | ±1%          | ±1%          | ±1%         |
|                                 | Ripple & Noise (max) | 50mV                                                                                        | 50mV        | 120mV       | 150mV       | 240mV       | 270mV        | 280mV        | 300mV       |
|                                 | Efficiency (typ)     | 66%                                                                                         | 74%         | 78%         | 78%         | 80%         | 80%          | 80%          | 82%         |
| Max. Output Power               |                      | 75W                                                                                         | 100W        | 117W        | 117W        | 117W        | 100W         | 100W         | 100W        |
| Output Voltage adjustment range |                      | ±10% of rated output voltage                                                                |             |             |             |             |              |              |             |
| INPUT                           | Voltage              | 88 ~ 264VAC / 120 ~ 375VDC Universal full range, single phase                               |             |             |             |             |              |              |             |
|                                 | Frequency            | 47 ~ 63 Hz                                                                                  |             |             |             |             |              |              |             |
|                                 | Current              | 3A max at 100VAC input, full load condition                                                 |             |             |             |             |              |              |             |
|                                 | Inrush Current       | < 35A@115VAC / < 70A@230VAC input, full load condition. Cold start at 25°C ambient          |             |             |             |             |              |              |             |
|                                 | Leakage Current      | < 1.5mA@264VAC input                                                                        |             |             |             |             |              |              |             |
|                                 | P.F.C.               | > 0.95@230VAC / meets IEC 1000-3-2 class A standard                                         |             |             |             |             |              |              |             |
| PROTECTION                      | Over Load            | > 105% ~ 180% of rating, Shutdown, recovers automatically after fault has been removed      |             |             |             |             |              |              |             |
|                                 | Over Voltage         | 3.8 ~ 4.6V                                                                                  | 5.8 ~ 7.0V  | 13.8~17.5V  | 17.3 ~ 21V  | 27.6~33.6V  | 31 ~ 37.8V   | 32.2~39.2V   | 55.2~67.2V  |
|                                 | Over Temp.           | Optional                                                                                    |             |             |             |             |              |              |             |
|                                 | Short Circuit        | Shutdown, recovers automatically after fault has been removed                               |             |             |             |             |              |              |             |
| OTHERS                          | Setup time           | < 300ms@230VAC / < 800ms@115VAC                                                             |             |             |             |             |              |              |             |
|                                 | Rise time            | < 20ms@230VAC                                                                               |             |             |             |             |              |              |             |
|                                 | Holdup time          | > 80ms@230VAC / > 16.7ms@115VAC                                                             |             |             |             |             |              |              |             |
|                                 | Remote Control       | Optional                                                                                    |             |             |             |             |              |              |             |
|                                 | Cooling              | Natural Cooling                                                                             |             |             |             |             |              |              |             |
|                                 | Withstand Voltage    | I/P-O/P:3KVAC, I/P-FG:1.5KVAC, O/P-FG:0.5KVAC / 1 minute                                    |             |             |             |             |              |              |             |
| Switching Frequency             |                      | 50KHz (fixed)                                                                               |             |             |             |             |              |              |             |
| Environment                     | Temperature          | Operating: 0 ~ 70°C / Derating: 50°C ~ 70°C : 2.5%/°C / Storage: -10 ~ 75°C                 |             |             |             |             |              |              |             |
|                                 | Humidity             | Operating: 20% ~ 85% RH / Storage: 10% ~ 95% RH (non condensing)                            |             |             |             |             |              |              |             |
| M.T.B.F.                        |                      | > 270K hours ( according to MIL-HDBK-217F at 25°C environment)                              |             |             |             |             |              |              |             |
| SAFETY                          |                      | Approved: UL 1950 / CSA C22.2 No.950-95 / TÜV EN60950 / IEC 60950 / EMKO-TSE (74-SEC)207/94 |             |             |             |             |              |              |             |
| EMC                             | EMI                  | FCC CFR 47 PART 15 CLASS B / EN 50081-1 / CNS 13438 CLASS B                                 |             |             |             |             |              |              |             |
|                                 | EMS                  | EN 50082-1 (1997) / EN61000-4-2,3,4,5,6,8,11                                                |             |             |             |             |              |              |             |
| WEIGHT                          |                      | N.W.: 0.7 kg/pc                                                                             |             |             |             |             |              |              |             |