



Features :

- . Universal Ac input / Full range
- . PFC 0.98 at 115 VAC ; 0.95 at 230 VAC
- . Short circuit, over voltage, over load, over temp. protected
- . Remote sense and on/off control
- . Forced air cooling by built-in DC fan
- . Power good and fail signal output
- . Approvals : UL / CUL / TUV / CB / CE
- . 100% full load burn-in test

3 years warranty

| Model | PSP1000 5 | PSP1000 12 | PSP1000 13.5 | PSP1000 15 | PSP1000 24 | PSP1000 27 | PSP1000 48 |
|-----------------------------|---|---------------|-----------------|---------------|---------------|---------------|---------------|
| DC output voltage | 5V | 12V | 13.5V | 15V | 24V | 27V | 48V |
| Output voltage tolerance | ±2% | ±1% | ±1% | ±1% | ±1% | ±1% | ±1% |
| Output rated current | 145A | 75A | 67A | 60A | 37.6A | 33.6A | 19A |
| Output current range | 0~145A | 0~75A | 0~67A | 0~60A | 0~37.6A | 0~33.6A | 0~19A |
| Ripple & noise | 100mVp-p | 150mVp-p | 150mVp-p | 150mVp-p | 150mVp-p | 150mVp-p | 200mVp-p |
| Line regulation | ±0.5% | ±0.3% | ±0.3% | ±0.3% | ±0.2% | ±0.2% | ±0.2% |
| Load regulation | ±2% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% |
| DC output power | 725W | 900W | 904.5W | 900W | 902.4W | 907.2W | 912W |
| Peak output power | 800W | 1000W | 1000W | 1000W | 1000W | 1000W | 1000W |
| Efficiency | 76% | 82% | 82% | 82% | 84% | 84% | 86% |
| DC voltage adjustment | 4.75~5.5 | 10~13.2 | 12~15 | 13.5~18 | 20~26.4 | 24~30 | 41~56 |
| Input voltage range | 90~264VAC / ; 47~63Hz ; 127~370 VDC | | | | | | |
| AC current | 14A / 115 VAC 7A / 230 VAC | | | | | | |
| Power factor | 0.95/230 VAC | | | | | | |
| Inrush current | 35A / 115VAC ; 70A / 230VAC | | | | | | |
| Leakage current | <2mA/240VAC | | | | | | |
| Over-load protection | 115~140% Type : Constant current limiting Reset : auto-recovery | | | | | | |
| Over-voltage protection | 5.75~6.75 | 13.8~16.2 | 15.5~18.2 | 18~21 | 27.6~32.4 | 31~36.5 | 57.6~67.2 |
| Over temperature protection | RTH2 >=95°C output shutdown | | | | | | |
| Remote control | RC+/RC- : 0~0.8V= power on ; 4~10V= power off sink current 8~20mA | | | | | | |
| Temperature coefficient | ±0.03% /°C (0°~50°C) | | | | | | |
| Set-up, Rise, Hold-up time | 1.5s, 50ms, 15ms | | | | | | |
| Vibration | 10~500Hz, 2G 10min./1cycle, period for 60min. Each axes | | | | | | |
| Withstand voltage | I/P-O/P: 3KVACVAC I/P-FG: 1.5 KVAC ; O/P-FG : 0.5 KVAC | | | | | | |
| Isolation resistance | I/P-O/P, I/P-FG, O/P-FG : 500 VDC /100MΩ | | | | | | |
| Working temp. & humidity | -10°C~+60°C (refer to output derating curve) 20~90% R.H. | | | | | | |
| Storage temp. & humidity | -20°C~+85°C, 10%~95% R.H. (non-condensing) | | | | | | |
| Dimensions | 278 x 129 x 127 mm (Length x Width x Height) | | | | | | |
| Weight | 4.7 Kg | | | | | | |
| Safety standards | UL1950 approved | | | | | | |
| EMC standards | CISPR22, EN61000-3-2,3,4,5,6,8,11 verification | | | | | | |

Notes:

- All parameters are specified at 230VAC input, rated load, 25°C & 70% R.H. ambient.
- Tolerance include setup tolerance, line regulation, load regulation.
- Ripple & Noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1yF & 47uF capacitor.
- Line regulation is measured from low line to high line at rated load.
- Load regulation is measured from 0% to 100% rated load
- Refer to output derating curve vs input voltage
- Peak output power lasting <30 seconds with a max. 10% duty cycle

