

SPX-6520P2

515W, Six Output

Active P.F.C. Function

For Industrial 2U System



100 x 240 x 70 mm

3.94 x 9.45 x 2.76 inch



Features:

- * Universal full range AC input with active PFC, P.F.> 0.95
- * Built in EMI filter, low ripple noise
- * Built-in long life ball bearing fan
- * Over voltage, over load & short circuit protection
- * With power good signal & PS-ON signal output
- * V4 (-5V) output option
- * Meet Intel ATX 2.01 / ATX2.03 / ATX 12V / EPS
- * UL, cUL, CB, CE approved
- * 1 year warranty

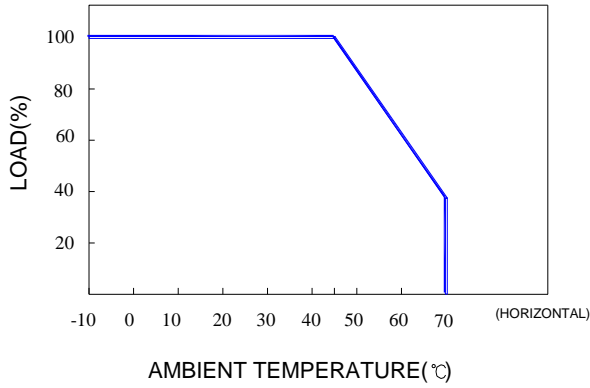
Specification:

| | | | | | | | |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|------------|-------------|-------------|
| INPUT | Voltage | 90V ~ 264VAC universal full range or 127V ~ 375VDC | | | | | |
| | Frequency | 47 ----- 63 Hz. | | | | | |
| | Current | <7.3A @ 100V AC input, full load condition | | | | | |
| | Inrush Current (TYP.) | 40A@115V / 80A@230V AC input, full load condition. Cold start at 25°C ambient | | | | | |
| | Leakage Current | <1.5mA@264V AC input | | | | | |
| | Power Factor | PF > 0.95 | | | | | |
| OUTPUT | Voltage | V1 | V2 | V3 | V4 | V5 | V6 |
| | | 5V | 3.3V | 12V | -5V | -12V | 5Vsb |
| | Min Load | 1 A | 0 A | 1 A | 0 A | 0 A | 0 A |
| | TYP Load | 28 A | 22 A | 24 A | 0.5 A | 0.8 A | 2 A |
| | Max Load | 42 A | 28 A | 33 A | 0.5 A | 1 A | 2 A |
| | Output Tolerance ② | ±5% | ±5% | ±5% | ±5% | +8/-5% | ±5% |
| | Ripple Noise MAX. ③ | 70mV | 70mV | 120mV | 70mV | 150mV | 70mV |
| Efficiency (TYP.) | 77% | | | | | | |
| Output MAX. | 3.3V & 5V max 210W ; -5V&-12V Max 12W ; total output max 515W | | | | | | |
| PROTECTION | Over Voltage | 5.8V~7.0V | 3.8V~4.6V | 13.8V~16.8V | --- | --- | --- |
| | OverLoad & Short Circuit | Shutdown and latch off, recover after re-start up. When power supply over 105%~ 150% max load or short circuit acted, power supply will be shutdown and latch off, | | | | | |
| ELEC. CHAR. | Rise time | <50mS | | | | | |
| | Hold up time | >20mS@230V | | | | | |
| | Power Good signal | Power on within 100~500ms, high level TTL signal release. | | | | | |
| ENVIRONMENT | PS-ON signal | P/S ON: PS-ON=Low or <0.8V, P/S OFF: PS-ON=Hi or >2V | | | | | |
| | Temperature ④ | Operating: -10~70°C ; De-rating: 45°C ~ 70°C : 2.5%/°C. ; Storage: -20~+85°C | | | | | |
| SAFETY | Humidity | Operating: 20% ~ 90% RH (non condensing) ; Storage: 10% ~ 95% RH (non condensing) | | | | | |
| | Withstand voltage | I/P-O/P:3KVAC, I/P-PE:1.5KVAC, 1minute | | | | | |
| | Isolation resistance | I/P-O/P, I/P-PE, > 100MΩ/500VDC at 25°C/ 70% RH | | | | | |
| EMC | Safety standard | UL 60950 3 rd , CSA C22.2 No.60950 3 rd , IEC 60950, approved | | | | | |
| | EMI | EN 55032 CLASS B, FCC CFR 47 PART 15 CLASS B, CNS 13438 CLASS B. | | | | | |
| | EMS | Compliance to EN61000-3-2 CLASS D, EN61000-3-3 | | | | | |
| OTHERS | EMS | EN 55024 : EN 61000-4-2,3,4,5,6,8,11 | | | | | |
| | Cooling | Forced airflow cooling with two DC fan. | | | | | |
| | M.T.B.F. | 125 K hours | | | | | |
| | Dimension | 100 x 240 x 70 mm (W*L*H) | | | | | |
| NOTE | Packing | N.W.: 1.9 KG / 1PC ; 6 PCS / 2.02 CUFT / 1 CTN | | | | | |
| | | ① All measurements which not mentioned are based on 230VAC input, output max at ambient 25°C / 70%RH | | | | | |
| | | ② Output tolerance included set up voltage, line regulation and load regulation. The regulation is measured at the condition : when any of output is with 20% ~ 100% max load and the rest of each outputs are with 60% max load , Each output could work within max load but must under total output max . | | | | | |
| | | ③ Ripple & noise are measured at 10~50°C condition and 20MHz of bandwidth by using a 10" ~ 15" twisted pair-wire terminated with a 0.1uF & a 47uF parallel capacitor. | | | | | |
| | | ④ The operating temperature shall follow the de-rating curve in spec The output load may be requested for decreasing as de-rating curve in spec when low input voltage is under 100VAC | | | | | |
| | ⑤ The power supply is considered a component of end-equipment. The end-equipment must be re-confirmed whether comply with EMC directives. | | | | | | |

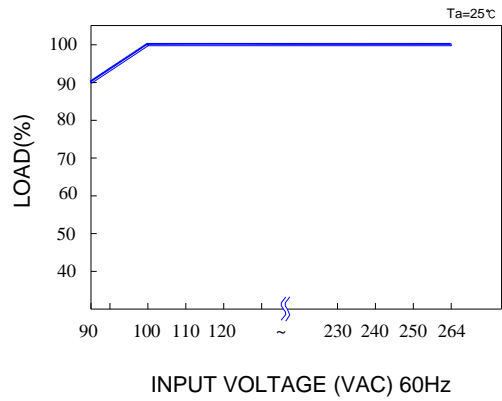


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De-rating Curve :



Output De-rating Vs Input Voltage :



Dimension:

(Unit: mm)

