

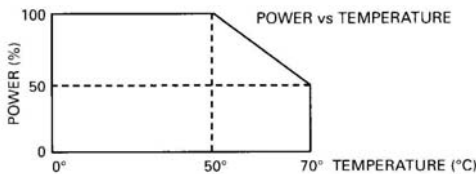


FEATURES

- Power Factor Correction and Auto voltage Select option
- Fully guard-banded circuits
- Slim-line, heavy-duty case
- Rear-loading design
- Overload, over voltage, and short circuit protection
- Module output/fan failure indicator and signal
- Temperature critical signal
- Dual redundant AC main power fail detection and switchover
- Temperature regulated fan speed control
- Hi-pot tested, and full load burn-in
- UL, CSA, and TUV safety approvals
- Built-in line filter to FCC Class B standards
- 100K hours MTBF @ 25°C

ENVIRONMENTAL

Operating temperature:
0°C to 50°C
(Derate linearly to 50% @ 70°C)



Cooling:
By ball-bearing fans, 21.2 CFM

Storage temperature:
-20°C to +60°C

ELECTRICAL SPECIFICATIONS

| | |
|-------------------------------|--------------------------------------------------------------|
| Input voltage range..... | 90 - 264VAC (auto ranging) |
| Input frequency..... | 47 - 63Hz |
| Input current | 10.0A @ 115VAC / 5.0A 230VAC |
| Inrush current | 75A @ 264VAC |
| Leakage current | <3.5mA @ 264VAC / 60Hz |
| Efficiency | >65% at 230VAC full load |
| Output voltage | See table below |
| Short circuit protection..... | On all outputs |
| Over voltage protection | +5V (max. 6.80V) +12V (max. 15.00V) +3.3V (max. 4.30V) |
| Overload protection | 150% of full load, shutdown |
| Hold-up time | 16ms at full load @ 115/230VAC |
| Withstand voltage..... | I/P-O/P: 3KV, I/P-FG: 1.5KV, 1 min |
| Power good signal..... | TTL compatible (100ms - 500ms) |

| Output | Voltage | Max. Load | Min. Load | Load Reg. | Line Reg. | Ripple & Noise ¹ |
|--------------------|---------|-----------|-----------------------|-----------|-----------|-----------------------------|
| V1 ^{2, 4} | +3.3V | 30A | 0.2A | ±5% | ±1% | 100mV |
| V2 ² | +5V | 50A | 7.5/5.0A ³ | ±5% | ±1% | 100mV |
| V3 | +12V | 18A | 1.0/0.5A ³ | ±5% | ±1% | 150mV |
| V4 | -5V | 2.0A | 0A | ±5% | ±1% | 200mV |
| V5 | -12V | 2.0A | 0A | ±10% | ±1% | 200mV |
| V6 ⁴ | +5Vsb | 3.0A | 0A | ±5% | ±1% | 100mV |

1. Peak to peak with 20Mhz bandwidth and 10uF in parallel with 0.1uF capacitor.
2. Total combined current from +3.3V and +5V is 50A.
3. When operating only two modules.
4. Not provided for AT version.

SAFETY & EMI

Safety standards:
UL 1950
CSA 22.2 No. 234
TUV EN60950
CB EN60950
CE Mark

Meets EMI:
FCC Class B
CISPR22 Class B
EN 5502 Class B

Ordering Information

| Order Number | Output voltages provided |
|--------------|------------------------------------|
| T6500P1 | +3.3V, +5V, +12V, -5V, -12V, +5Vsb |
| T5500P1 | +3.3V, +5V, +12V, -5V, -12V |
| T4500P1 | +5V, +12V, -5V, -12V |

*AT model #T4500P1 is not approved for safety at this time

**Specifications subject to change without notice