TOP
MICROSYSTEMS

PS/2 Form Factor
N+1 Redundant Power Supply

500 /600Watts; 6-Outputs
Meet ATX12V; AMD-K7
Power Factor Correction (PFC)

SPECIAL FEATURES:

- 500/600 Watts of Total Output Power
- Universal power input with active power factor correction, PF > 0.95
- Harmonic distortion meets the EN61000-3-2 standards
- Over voltage protection
- Over current protection
- Over power protection
- Short circuit protection
- Remote sense on +5V, 3.3V output
- Power Fault Alarm signals
- Front Panels LED's to indicate DC output power and Fan operation
- W x H x D: 150 x86 x 300 mm
- MTBF > 100,000 hours

ENVIRONMENTAL

- 0-50° C Operating Temperature
- Operating Humidity 20~90% non-condensing
- Cooling vial Self Contained Fan
- MTBF > 100,000 hours at 75% load and 25° C ambient conditions

ELECTRICAL SPECIFICATIONS

INPUT:

- Input Range: 90 ~ 264 VAC,
- Input Frequency: 47-63 HZ
- Input Current: 6-3A
- Efficiency is > 65% at full load and nominal AC input voltage
- **FCC part 15, class B,; CISPR 22 (EN55022), class B**

OUTPUT:

- Maximum Power of 500 /600Watts
- Hold-up time of $\geq$ 20mS at full load and nominal AC input voltage
- Over Voltage Protection set at 110-130% of 5v, 3.3 & 12V outputs
- Over Current Protection set at 110-130% of 5V, 3.3 & 12V outputs
- Over Power Protection of Total output 110-130% Max.
- Power Good Signal is TTL Compatible/ Signal goes high after turn-on and +5V reach to 4.75V 100-500ms. Signal goes low at least 1ms before the +5V loss of regulation

OUTPUT SPECIFICATIONS

Voltage	+5V	+3.3V	+12V	-5V	-12V	5VSB
Max. Load (A)						
T6500E PF	45	35	20	0.5	1.0	2
T6600E PF	50	40	30	0.5	1.0	2
Min. Load (A)	3	0	1	0	0	0
Load Reg.	±5%	±5%	±5%	±10%	±10%	±5%
Cross Reg.	±5%	±5%	±5%	±10%	±10%	±5%
Line Reg.	±1%	±1%	±1%	±1%	±1%	±1%
Ripple	50mV	50mV	120mV	100mV	120mV	50mV
Noise	50mV	50mV	120mV	100mV	120mV	50mV

Note: +5V & + 3.3V combined output 280/350W max., +5V & +3.3V & +12V
combined output 480/580W max. for T6500E PF, T6600E PF respectfully