

DESCRIPTION

This specification describes a 500 watts power supply. With +5V stand-by, second 12V rail and remote ON/OFF control for ATX-12V system and a "Power factor collector (PFC)" circuit to meet EPA requirement of input range with in 230V/50Hz.

APPLICATION

Desktop

WATTAGE

Wattage: 500W

DIMENSION

Dimension: 140mm(L) x 150mm(W) x 86mm(H)

PRODUCT HIGHLIGHT

Efficiency Level: EU 230V 80Plus
Erp Lot: <0.5W
Input Voltage: 230V

INPUT SPECIFICATION

Input Range: 200-240 Vac
Input Frequency: 47-63 Hz
Input Current: 4Amp (maximum) at 230 Vrms/ 50 Hz. .

OUTPUT SPECIFICATION

Output Rise Time: +3.3V 20mS (maximum)
 +5V 20mS (maximum)
 +12 V1 20mS (maximum)
 +12 V2 20mS (maximum)
 -12 V 20mS (maximum)



SAFETY STANDARD APPROVAL



GENERAL SPECIFICATION

Efficiency: 82%@ 20% load; 85%@ 50% load; 82%@ 100% load
PWOK Delay Time: 500ms > PWOK > 100ms
EMC Performance: EN55022 class B
 EN55024
 EN 61000-3-2
 EN 61000-3-3

ENVIRONMENTAL SPECIFICATION

TEMP.Range: Storage Temperature: -40°C to +70°C
MTBF: The power supply reliability, when calculated by "Bellcore" latest revision are exceed 100,000 hours with all output at maximum load and an ambient temperature of 25°C.

The special requirement is for cooling fan that MTTF be guarantee over 30,000 hours at 25°C ambient temperature.

*Output Voltage and Current Rating

	+3.3V	+5V	+12V1	+12V2	-12V	+5Vsb
Ripple-Noise(R-P) mV	50mV	50mV	5mV	120mV	200mV	50mV
Regulation Load %	±5%	±5%	±5%	±5%	±10%	±5%
Output Max.(A)	24A	20A	18A	18A	0.3A	2.5A
Output Min.(A)	0.5A	0.3A	0.5A	0.5A	0A	0A

NOTES

- 3.3V & +5V total output not exceed 120W.
- When +5V is load to 20A, the +3.3V maximum load is 6A.
- When +3.3V is load to 24A, the +5V maximum load is 8A.
- +12V1 & +12V2 total output not exceed 408W

This content is subject to change, please refer to specification for more detail.
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