

DESCRIPTION

This specification describes a 300 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: 300W

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: 2.5Amp (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)

*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)	21A	2.5A	15A	15A	0.3A	15A
Output Min.(A)	0.5A	0.3A	0.5A	0.5A	0A	0A

NOTES

- (1) +3.3V & +5V total output not exceed 103W
When +5V is load to 15A, the +3.3V maximum load is 8.48A.
When +3.3V is load to 21A, the +5V maximum load is 6.74A.
- (2) +12V1 & +12V2 total output not exceed 300W



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

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.