

DESCRIPTION

This specification describes a 500 watts power supply. With 7 output, and remote ON/OFF control for ATX-12V system and a "Power factor correction (active PFC)" circuit at 100V-240Vac.

APPLICATION

Desktop

WATTAGE

Wattage: 500W

DIMENSION

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

PRODUCT HIGHLIGHT

Efficiency Level: 80PLUS Platinum
Erp Lot: <0.5W
Input Voltage: 100~240Vac

INPUT SPECIFICATION

Input Range: 100-240 Vac
Input Frequency: 47-63 Hz
Input Current: 8 Amp (maximum) at 100-127Vrms/ 60 Hz 4Amp (maximum) at 200-240 Vrms/ 50 Hz.

OUTPUT SPECIFICATION

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

*Output Voltage and Current Rating

	+3.3V	+5V	+12V1	+12V2	+12V3	-12V	+5Vsb
Ripple-Noise(R-P) mV	50mV	50mV	50mV	120mV	120mV	200mV	50mV
Regulation Load %	±5%	±5%	±5%	±5%	±5%	±10%	±5%
Output Max.(A)	16A	16A	18A	18A	18A	0.3A	3A
Output Min.(A)	0.1A	0.2A	0.1A	0A	0A	0A	0A

NOTES

- +3.3V & +5V total output not exceed 90W.
- When +5V is load to 16A, the +3.3V maximum load is 3A.
- When +3.3V is load to 16A, the +5V maximum load is 7.4A.
- +12V1 & +12V2& +12V3 total output not exceed 456W(38A).

This content is subject to change, please refer to specification for more detail.
FSP reserve the right to change the content without prior notice



SAFETY STANDARD APPROVAL



GENERAL SPECIFICATION

Efficiency: 90%@ 20% load; 92%@ 50% load; 89%@ 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: -20°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.