

### 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 115V/60HZ & 230V/50Hz.

### APPLICATION

Desktop

### WATTAGE

**Wattage:** 500W

### DIMENSION

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

### PRODUCT HIGHLIGHT

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

### INPUT SPECIFICATION

**Input Range:** 100-240 Vac  
**Input Frequency:** 47-63 Hz  
**Input Current:** 8Amp (maximum) at 115 Vrms/ 60 Hz 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:** 80PLUS Bronze  
**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

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