

## DESCRIPTION

This specification describes a 450 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:** 450W

## 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:** 6.3Amp (maximum) at 100-127Vrms/ 60 Hz 3Amp (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

|                             | <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       | 50mV         | 120mV        | 200mV       | 50mV         |
| <b>Regulation Load %</b>    | ±5%          | ±5%        | ±5%          | ±5%          | ±10%        | ±5%          |
| <b>Output Max.(A)</b>       | 16A          | 16A        | 18A          | 18A          | 0.3A        | 3A           |
| <b>Output Min.(A)</b>       | 0.1A         | 0.2A       | 0.1A         | 0A           | 0A          | 0A           |

## NOTES

- +3.3V & +5V total output not exceed 85W.
- When +5V is load to 16A, the +3.3V maximum load is 1.5A.
- When +3.3V is load to 16A, the +5V maximum load is 6.5A.
- +12V1 & +12V2 total output not exceed 408W(34A).

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:** 80PLUS Platinum  
**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.