



PC PSU FSP450-60EPN(80)

DESCRIPTION

This specification describes a 450 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: 400W

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: 7.0 Amp (maximum) at 115 Vrms/ 60 Hz 3.5 Amp (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	50mV	120mV	200mV	50mV
Regulation Load %	±5%	±5%	±5%	±5%	±10%	±5%
Output Max.(A)	24A	15A	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 15A, the +3.3V maximum load is 13.63A.
- When +3.3V is load to 24A, the +5V maximum load is 8A.
- +12V1 & +12V2 total output not exceed 360W

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 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.