PC PSU
FSP500-60HCN

DESCRIPTION
This is the specification of Model FSP500-60HCN; AC-line powered switching power supply with active PFC (Power Factor Correction) circuit, meet EN61000-3-2. Also, +5Vsb power is less than 0.5Winput at power off mode (PS_ON input at high state) which is comply with ErP Lot 6 year 2013 requirement.



APPLICATION
Desktop

WATTAGE
Wattage: 500W

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

PRODUCT HIGHLIGHT
Efficiency Level: 78%
Erp Lot: <0.5W
Input Voltage: 230V

INPUT SPECIFICATION
Input Range: 22-240 Vac
Input Frequency: 47-63 Hz
Input Current: 230V@ < 3.0 Amps - rms

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 APPAOVAL

GENERAL SPECIFICATION
Efficiency: 78%
PWOK Delay Time: 500ms > PWOK > 100ms
EMC Performance: EN55022 class B
EN55024
EN 61000-3-2
EN 61000-3-3

ENVIRONMENTAL SPECIFICATION
TEMP.Range: Operating Temperature:10°C to +40°C
Storage Temperature: -20°C to + 80℃
MTBF: The power supply reliability, when calculated by MIL-HDBK-217;latest revision, are exceed 100,000 hours with all output at typical load and an ambient temperature of 25℃.

*Output Voltage and Current Rating

	+3.3V	+5V	+12V1	+12V2	-12V	+5Vsb
Ripple-Noise(R-P) mV	50mV	50mV	120mV	120mV	120mV	50mV
Regulation Load %	±5%	±5%	±5%	±5%	±10%	±5%
Output Max.(A)	24A	24A	18A	18A	0.5A	2.5A
Output Min.(A)	0.1A	0.2A	0.1A	0.5A	0A	0A

NOTES
(1) +3.3V & +5V total output not exceed 123W

(2) Maximum combined current for the +12V outputs shall be 36A.

(3) +12V2 Peak current is 19A (less then 10m Sec.) , minimum voltage during peak is >11.0Vdc.

(4) +5Vsb Peak current is 3.5A(less then 500m Sec.) , minimum voltage during peak is > 4.5Vdc.

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