PC PSU
FSP450-60GHS(85)

DESCRIPTION
This is the specification of Model UFSP450-60GHS(85)U; AC-line powered switching power supply with active PFC (Power Factor Correction) circuit, meet EN61000-3-2 and with Full Range Input features. 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 , Mini-itx

WATTAGE
Wattage: 450W

DIMENSION
Dimension: 100mm(L) x 125mm(W) x 63.5mm(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: 115V@ <5.5 Amps-rms 230V@ <3.0Amps-rms

OUTPUT SPECIFICATION
Output Rise Time:
+ 3.3Vdc : 20ms Maximum
+ 5 Vdc : 20ms Maximum
+ 12 Vdc : 20ms Maximum
+ 5 Vsb : 20ms Maximum
- 12 Vdc : 20ms Maximum

SAFETY STANDARD APPAOVAL

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: Operating Temperature:10°C to +50°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	70mV	70mV	140mV	140mV	140mV	70mV
Regulation Load %	±5%	±5%	±5%	±5%	±10%	±5%
Output Max.(A)	21A	22A	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 120W.
(2) Total output continuous shall not exceed 450W watts.

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