



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

*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.

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: Operating Temperature:10°C to +50°C
Storage Temperature: -20°C to +80°C
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°C.

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