PC PSU
FSP300-60SGV

DESCRIPTION
This specification describes a 300 watts power supply. With +5V stand-by, second 12V rail and remote ON/OFF control and a "Power factor collector (PFC)" circuit to meet EPA requirement of input range with in 115V/60HZ & 230V/50Hz.


(Flat case)

APPLICATION
Desktop , Mini-itx

WATTAGE
Wattage: 300W

DIMENSION
Dimension: 175mm(L) x 85mm(W) x 70mm(H)

PRODUCT HIGHLIGHT
Efficiency Level: 80PLUS Gold
Erp Lot: <0.5W
Input Voltage: 100~240Vac

INPUT SPECIFICATION
Input Range: 100-240 Vac
Input Frequency: 47-63 Hz
Input Current: 4.0 Amp (maximum) at 115 Vrms/ 60 Hz 2.0 Amp (maximum) at 230 Vrms/ 50 Hz

OUTPUT SPECIFICATION
Output Rise Time: +3.3V 20mS (maximum)
+5V 20mS (maximum)
+12V1 20mS (maximum)
+12V2 20mS (maximum)
-12V 20mS (maximum)

SAFETY STANDARD APPAOVAL

GENERAL SPECIFICATION
Efficiency: 80PLUS Gold
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℃
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℃.

The special requirement is for cooling fan that MTTF be guarantee over 30,000 hours at 25℃ ambient temperature.

*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)	18A	18A	13A	13A	0.3A	3A
Output Min.(A)	0.3A	0.2A	0.1A	0.5A	0A	0A

NOTES
(1) +3.3V & +5V total output not exceed 103W.
When +5V is load to 18A, the +3.3V maximum load is 3.94A.
When +3.3V is load to 18A, the +5V maximum load is 8.72A.

(2) +12V1 & +12V2 total output not exceed 288W

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