PC PSU
FSP300-60EGA

DESCRIPTION
This specification describes a 300 watts power supply. With 6 output, and remote ON/OFF control for ATX-12V system and a "Power factor correction (active PFC)" circuit at 100V-240Vac.



APPLICATION
Desktop

WATTAGE
Wattage: 300W

DIMENSION
Dimension: 140mm(L) x 150mm(W) x 86mm(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: 115V@ < 6.0 Amps - rms
230V@ < 3.0 Amps - rms

OUTPUT SPECIFICATION
Hold up Time: 115V/60Hz 17mSec. Minimum@100% Load,
Output Rise Time: +3.3V 20mS (maximum)
+5V 20mS (maximum)
+12 V 20mS (maximum)
-12 V 20mS (maximum)

SAFETY STANDARD APPAOVAL

GENERAL SPECIFICATION
Efficiency: 87%@ 20% load; 90%@ 50% load; 87%@ 100% load
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℃.

*Output Voltage and Current Rating

	+3.3V	+5V	+12V1	+12V2	-12V	+5Vsb
Ripple-Noise(R-P) mV	50mV	50mV	120mV	120mV	200mV	50mV
Regulation Load %	±5%	±5%	±5%	±5%	±10%	±5%
Output Max.(A)	16A	16A	18A	18A	0.3A	3A
Output Min.(A)	0.1A	0.2A	0.1A	0A	0A	0A

NOTES
(1) +3.3V & +5V total output not exceed 90W.
When +5V is load to 16A, the +3.3V maximum load is 3.0A.
When +3.3V is load to 16A, the +5V maximum load is 7.4A.

(2) +12V1 & +12V2 total output not exceed 288W(24A).

(3) All outputs shall be safety-isolated from the AC mains and share a common return. This common return must be connected to supply chassis.

(4) Voltages and ripple are measured at the load side of mating connectors with a 0.1uF monolithic ceramic capacitor paralleled by a 10uF electrolytic capacitor across the measuring terminals.

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