

## DESCRIPTION

This is the specification of Model FSP300-60HCN; AC-line powered switching power supply with active PFC (Power Factor Correction) circuit, meet EN61000-3-2. Also, +5Vsb power is less than 0.5W input at power off mode (PS\_ON input at high state) which is comply with ErP Lot 6 year 2013 requirement.

## APPLICATION

Desktop

## WATTAGE

**Wattage:** 300W

## 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:** 200-240 Vac  
**Input Frequency:** 47-63 Hz  
**Input Current:** 230V@ < 2.5 Amps - rms

## OUTPUT SPECIFICATION

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

### \*Output Voltage and Current Rating

	+3.3V	+5V	+12V1	+12V2	-12V	+5Vsb
<b>Ripple-Noise(R-P) mV</b>	50mV	50mV	120mV	120mV	120mV	50mV
<b>Regulation Load %</b>	±5%	±5%	±5%	±5%	±10%	±5%
<b>Output Max.(A)</b>	21A	20A	14A	14A	0.5A	2.5A
<b>Output Min.(A)</b>	0.1A	0.2A	0.1A	0.5A	0A	0A

## NOTES

- ( 1 ) +3.3V & +5V total output not exceed 105W.
- ( 2 ) Maximum combined current for the +12V outputs shall be 24A .
- ( 3 ) +12V2 Peak current is 18A (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.



## SAFETY STANDARD APPROVAL



## 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°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.