

### DESCRIPTION

This is the specification of Model UFSP300-60GHS(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 0.5W input 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:** 300W

### 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@ <3.5 Amps-rms 230V@ <2.0 Amps-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

	<b>+3.3V</b>	<b>+5V</b>	<b>+12V1</b>	<b>+12V2</b>	<b>-12V</b>	<b>+5Vsb</b>
<b>Ripple-Noise(R-P) mV</b>	70mV	70mV	140mV	140mV	140mV	70mV
<b>Regulation Load %</b>	±5%	±5%	±5%	±5%	±10%	±5%
<b>Output Max.(A)</b>	21A	20A	14A	16A	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 103W.  
 ( 2 ) Total output continuous shall not exceed 300W 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.