

## FSP650-50ABA

### Features

- Certified CB 62368-1
- Meet 80 Plus Gold
- Intel Design ATX 12V V1.4
- Low Ripple & Noise
- Over Current Protection
- Over Temperature Protection
- Over Voltage Protection



### SAFETY STANDARD APPROVAL



### DESCRIPTION

FSP ABA Series features with eco-friendly design, which allows ABA series to reach up to 90% efficiency. ABA series also equipped with complete protection to prevent your system from damage. ABA series does the job efficiently and reliably, making it a stable power supply unit built to satisfy the demands of all kind of system build.

### GENERAL SPECIFICATIONS

<b>Dimension:</b>	140 x 150 x 86 (mm)	<b>Environment</b>	
<b>(L x W x H)</b>	5.51 x 5.91 x 3.39 (inch)	<b>Working temperature:</b>	0°C to 40°C
<b>Efficiency:</b>	80 Plus Gold	<b>Storage temperature:</b>	-40°C to + 70°C
<b>Hold-up time:</b>	115V / 60Hz: ≥ 16ms	<b>Working humidity:</b>	90% RH non-condensing
	230V / 50Hz: ≥ 16ms	<b>Storage humidity:</b>	90% RH non-condensing
<b>Operating altitude</b>	2,000 meters above sea level		
<b>MTBF:</b>	100,000 hours of continuous operation at 25°C, Max. output load		

### INPUT SPECIFICATIONS

Input voltage:	90-264Vac
Input frequency:	47-63Hz
Input current:	115Vac @ 8A, 230Vac @ 4A

**OUTPUT RATING**

Outputs	+3.3V	+5V	+12V	-12V	+5Vsb
Max	20A	20A	54.17A	0.3A	3.0A
Min.	0A	0A	0.1A	0A	0A
Regulation	±5%	±5%	±5%	±5%	±5%
Ripple/Noise	50 mV	50 mV	120 mV	120 mV	50 mV

The +3.3V and +5V total output shall not exceed 100W

**MECHANICAL SPECIFICATIONS**

