



TECHNICAL DATASHEET

# 500W FLEX

## FSP500-50FDB

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### FEATURES

- Certified CB 62368-1 & CB 60950-1
- Meet 80 Plus Gold
- Design for 5,000 Meter above sea level
- High Reliability
- Low Ripple & Noise
- Over Current Protection
- Over Temperature Protection
- Over Voltage Protection

### SAFETY STANDARD APPROVAL



### DESCRIPTION

FSP500-50FDB is an industrial level of switching power supply. The power supply comes to offer the total power capacity up to 500 Watts, which makes it to be perfectly fit in a standard 1U server chassis, and used in an industrial or small space environment. In addition, the power supply is ideally the best choice for server, communication or any other automation applications. This product also complies with the latest safety and EMC standards, which is perfectly to meet various regulations worldwide.

### GENERAL SPECIFICATIONS

Dimension (L x W x H):	150 x 81.5 x 40.5 (mm) 5.9 x 3.21 x 1.59 (inch)	Environment	Working temperature: 0°C to 50°C Storage temperature: -20°C to + 80°C Working humidity: 90% RH non-condensing Storage humidity: 90% RH non-condensing
Efficiency:	80 Plus Gold	MTBF:	100,000 hours of continuous operation at 25°C, Max,-output load
Hold-up time:	115V / 60Hz: ≥ 16ms 230V / 50Hz: ≥ 16ms	Applications:	Workstation ,Storage System ,IPC Controller
Operating altitude:	5,000 meters above sea level		

### INPUT SPECIFICATIONS

Input voltage:	90-264Vac
Input frequency:	47-63Hz
Input current:	115Vac @ 6A, 230Vac @ 3A

### OUTPUT RATING

Outputs	+3.3V	+5V	+12V	-12V	+5Vsb
Max.	14.0A	16.0A	41.0A	0.5A	3.0A
Min.	0.0A	0.0A	0.05A	0.0A	0.0A
Regulation	±5%	±5%	±5%	±10%	±5%
Ripple/Noise	50 mV	50 mV	120 mV	120 mV	200 mV

The +3.3V and +5V total output shall not exceed 90W

**MECHANICAL SPECIFICATIONS**

UNIT: mm [inch]

