

# FSP850-50ADB

## FEATURES

- Certified CB 62368-1 & CB 60950-1
- Meet 80 Plus Gold
- Cable Management Output Design
- 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

FSP850-50ADB is a high wattage ATX switching power supply. The power supply comes to offer the total power capacity up to 850 Watts, and provides cable management features, which makes it to be perfectly used in an industrial environment. In addition, the power supply is ideally the best choice for AI server, graphic design workstation, communication or any other automation applications to use. The 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): | 190 x 150 x 86 (mm)<br>7.49 x 5.91 x 3.39 (inch) | Environment          |   |
| Efficiency:            | 80 Plus Gold                                     | Working temperature: | 0°C to 50°C   |
| Hold-up time:          | 115V / 60Hz: ≥ 16ms<br>230V / 50Hz: ≥ 16ms       | Storage temperature: | -20°C to + 80°C   |
| Operating altitude:    | 5,000 meters above sea level                     | Working humidity:    | 85% RH non-condensing   |
|                        |  | Storage humidity:    | 95% RH non-condensing   |
|                        |  | MTBF:                | 100,000 hours of continuous operation at 25°C, Max.-output load |
|                        |  | Applications:        | Workstation ,Storage System ,IPC Controller                     |

## INPUT SPECIFICATIONS

|                  |                           |
|------------------|---------------------------|
| Input voltage:   | 90-264Vac                 |
| Input frequency: | 47-63Hz                   |
| Input current:   | 115Vac @ 10A, 230Vac @ 5A |

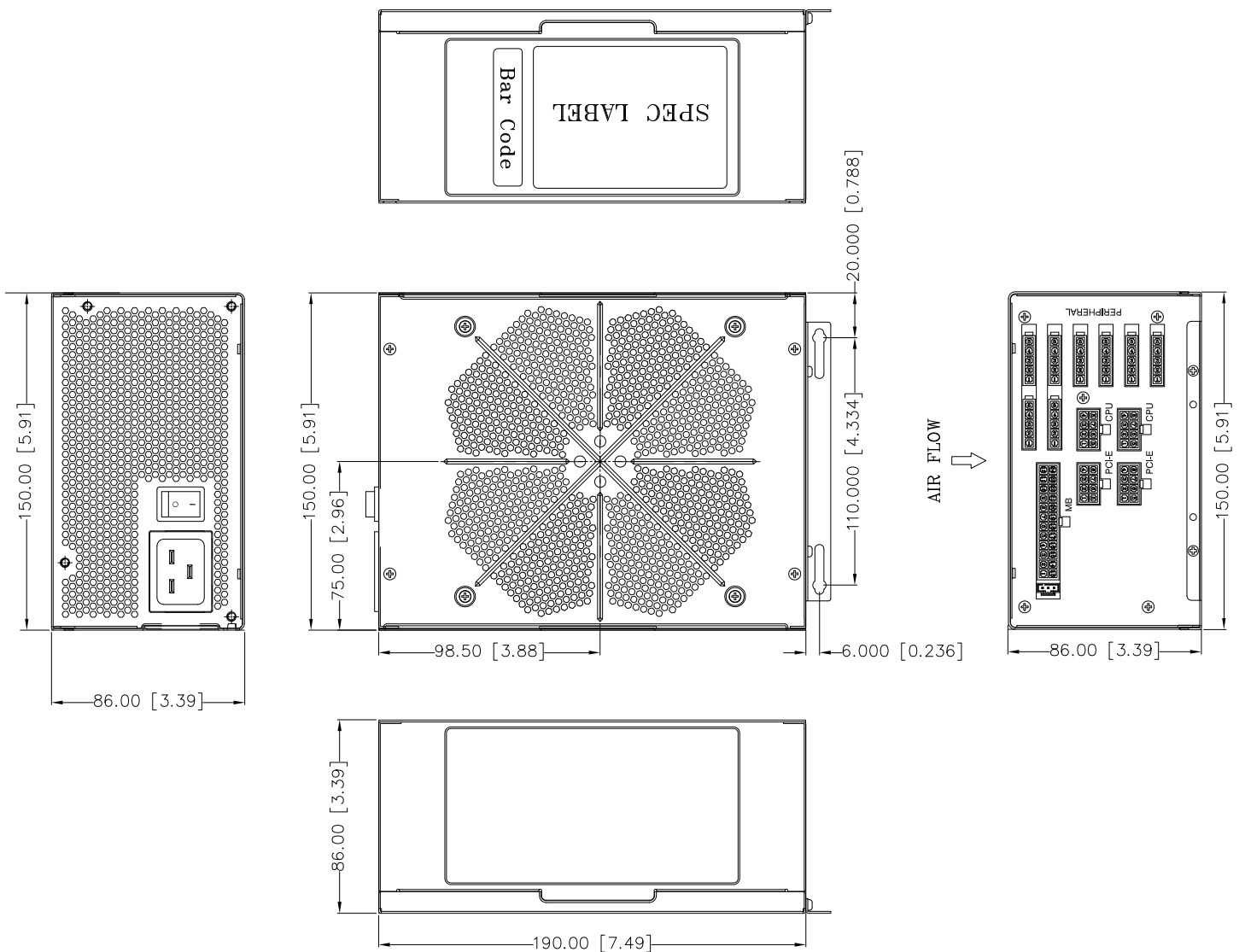
## OUTPUT RATING

| Outputs      | +3.3V | +5V   | +12V   | -12V   | +5Vsb |
|--------------|-------|-------|--------|--------|-------|
| Max.         | 25.0A | 25.0A | 70.0A  | 0.5A   | 3.5A  |
| Min.         | 0.0A  | 0.1A  | 0.2A   | 0.0A   | 0.0A  |
| Regulation   | ±5%   | ±5%   | ±5%    | ±10%   | ±5%   |
| Ripple/Noise | 50 mV | 50 mV | 120 mV | 120 mV | 50 mV |

The +3.3V and +5V total output shall not exceed 125W

### MECHANICAL SPECIFICATIONS

UNIT: mm [inch]



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