



FSP180-AxxN3 Series

FEATURES

- · Certified IEC 62368-1 & CB 60950-1
- · Meet USA EISA 2007
- Meet Energy Efficiency DOE Level VI
- Meet Code of Conduct Version 5 Tier 2
- High Reliability
- · Low Profile
- Over Current Protection
- Over Temperature Protection
- Over Voltage Protection
- With PFC Circuit

INPUT SPECIFICATIONS

SAFETY STANDARD APPROVAL



115Vac, 230Vac / full load ≥ 0.9

Power turn-on time At 100Vac / full load, output voltage shall remain

remain regulation ≥10ms

See rating chart

Provisions for adding harmonic reduction per EN 61000-3-2 must be present.

regulation \leq 3Sec At 100Vac or 240Vac / full load, output voltage shall

100Vac, 240Vac / full load, Shall be less than the rating

DESCRIPTION

This product is an 180 watts AC to DC adapter intended for use in IPC systems, embedded systems, printers, monitors, POS systems and PoE application, that have a high wattage demands. This adapter operates at 90 to 264 VAC input voltage. The unit meets CISPR32 EN55032 CLASS B, EN55024 and FCC PART 15B Class B emission limits, and is designed for ITE application.

Power factor:

Efficiency:

Hold-up time:

Inrush current:

INPUT SPECIFICATIONS

Input voltage:90-264 VACInput frequency:47-63 HzInput current:100Vac, 240No load power consumption115Vac, 230Touch current:264Vac / 500

100Vac, 240Vac / full load ≦ 1.2A n 115Vac , 230Vac ≦ 0.5W 264Vac / 50Hz ≦ 0.25mA

OUTPUT SPECIFICATIONS

| OUTPUT SPECIFICATIC | JN5 | | |
|--|--|--|---|
| Output voltage/current: Total output power: Protection: | See rating chare 180W | Operating altitude: Withstand voltage: | of adapter critical component (including rectifiers, fuse surge and current limiting device) 5000 meters above sea level |
| Over voltage: | The adapter will enter into shut down that means no output while over voltage happened at output terminal that caused by internal fault, the output trip voltage shall not exceed 19/29/35/66* volts. That will be return to normal state by AC reset. | MTBF: EMC Performance: EN55032 FCC VCCI | Between AC input and secondary applied DC 4242V,test time 1 minute, cut off current shall be less than 10mA 100Vac, 240Vac / full load, 300,000 hours at 25°C, standard SR332 Class B conducted, class B radiated Class B conducted, class B radiated Class B conducted, class B radiated |
| Short circuit & Over current: | When an internal fault occurs, or an external fault is applied to the power supply, such that an overload or short circuit is applied to the output, the power supply shall shut down and enter | EN61000-3-2 EN61000-3-3 EN61000-4-2 EN61000-4-3 | Meet class D Meet regulation Air discharge: ±15 KV,contact discharge: ±8KV, meet criterion A 80 ~1000 MHz,3V/m,80% AM(1kHz), meet criterion A |
| Over temperature: | auto-recovery mode. The power supply will enter into shut down while the abnormal thermal rise occurs. That will be return to normal state by AC reset. | EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-4-8 EN61000-4-11 | Impulse: ±1kV applied to L,N,meet criterion A ±1kV applied differential mode, ±2kV applied common mode,meet criterion A 0.15 ~ 80 MHz,3Vrms,80% AM(1kHz),meet criterion A 50 Hz or 60Hz,1A/m,meet criterion A |
| Brown-out Environment | Set at 60Vac~70Vac | | Voltage Dips : >95% reduction for 0.5 period,meet criterion B |
| Working TEMP. Storage TEMP. Working Humidity Storage Humidity | 0~70°C (> 40°C de-rating) -20~+80°C 20~80% RH non-condensing 10~90% RH non-condensing | Power de-rating: | 30% reduction for 25 period,meet criterion C Voltage Interruptions : >95% reduction for 250 period,meet criterion C 100Vac or 240Vac, 0°C to 40°C, 100% load, 50°C, 85% load, 60°C, 70% load, 70°C, 55% load (Shall be less than the rating of adapter critical component , follow FSP specification (adapter)) |

Notes:

*Volts express by order of 120-AHxN3/ ABxN3/ AAxN3 / AFxN3/ AWxN3

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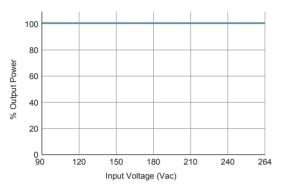
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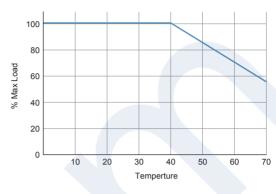
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INPUT VOLTAGE DERATING CURVE







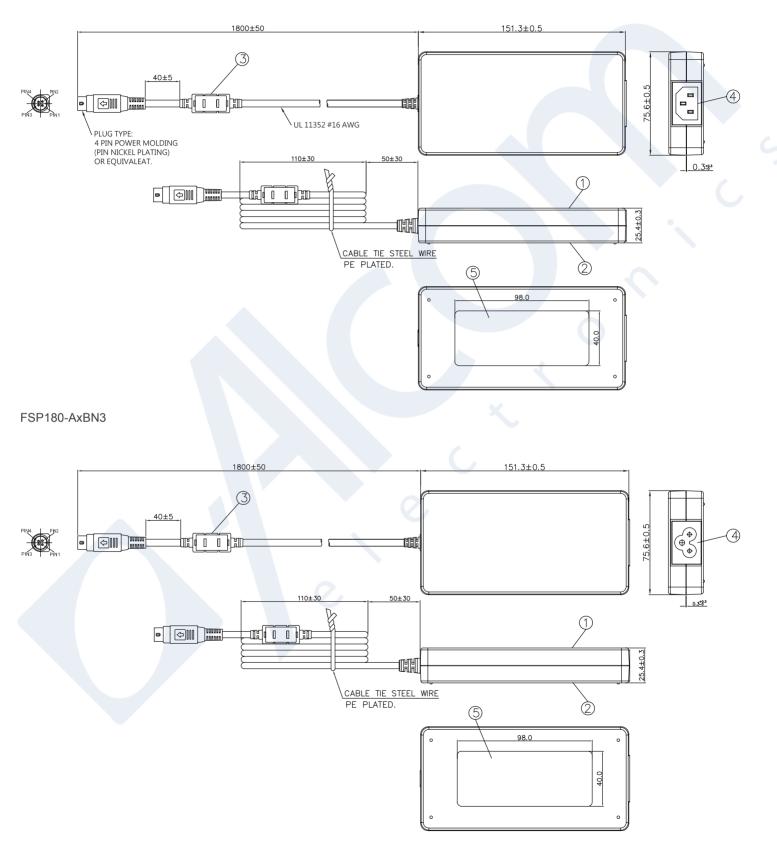
OUTPUT VOLTAGE/CURRENT RATING CHART

| Model | Output Voltage | Output Current | AC Inlet | Efficiency | | Over Voltage |
|--------------|-------------------|-------------------|----------|---------------|-----------------|--------------|
| woder | | | | DOE(Level VI) | CoC V5 (Tier 2) | Protection |
| FSP180-AHAN3 | 12V | 15A | C14 | | | 19 Volts |
| FSP180-AHBN3 | 12V | 15A | C6 | X | | |
| FSP180-AJAN3 | 19.5V | 9.23A | C14 | | | 00.1/5/6 |
| FSP180-AJBN3 | 19.5V | 9.23A | C6 | | 29 Volts | |
| FSP180-AAAN3 | 24V | 7.5A | C14 | ≤88% | ≥88% ≥89% | 35 Volts |
| FSP180-AABN3 | 24V | 7.5A | C6 | - | | |
| FSP180-AWAN3 | 54V | 3.34A | C14 | | | 66 Volts |
| FSP180-AWBN3 | 54V | 3.34A | C6 | | | |



MECHANICAL SPECIFICATIONS

FSP180-AxAN3

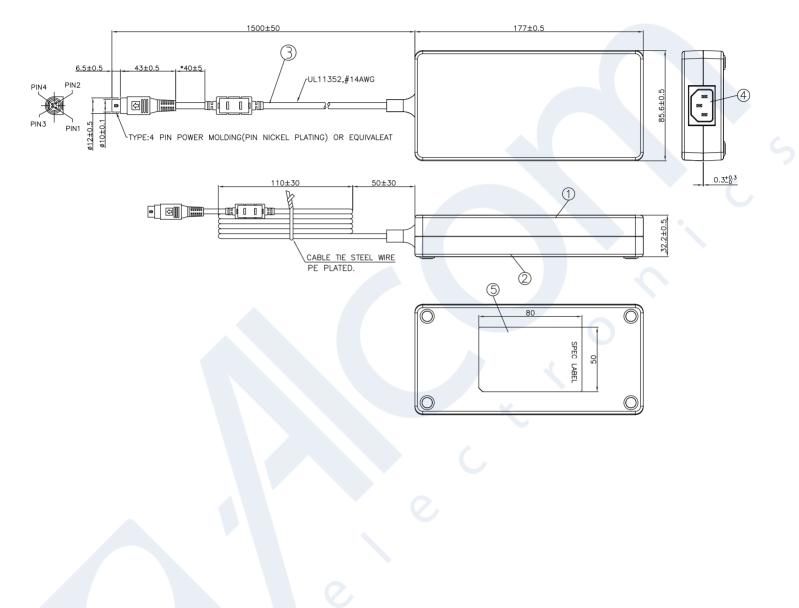




MECHANICAL SPECIFICATIONS

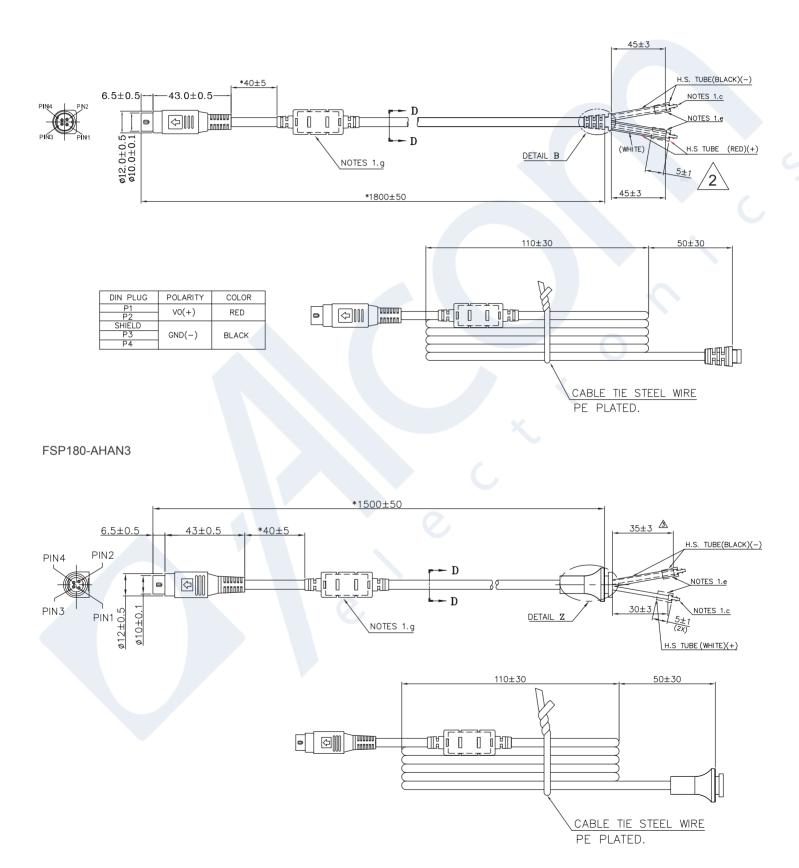
FSP180-AHAN3

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CONNECTOR SPECIFICATIONS



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