





FSP270-AxAN3 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

61000-3-2 must be present.

Power turn-on time At 100Vac / full load, output voltage shall remain regulation \leq 3Sec

remain regulation \geq 10ms

See rating chart

Provisions for adding harmonic reduction per EN

At 100Vac or 240Vac / full load, output voltage shall

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

DESCRIPTION

This product is a 240~270 watts AC to DC adapter intended for use in IPC systems, embedded systems, printers, monitors, Charging system and POS systems, 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:

Hold-up time:

Inrush current:

Efficiency:

INPUT SPECIFICATIONS

Input voltage: Input frequency: Input current: No load power consumption Touch current:

90-264 VAC 47-63 Hz 100Vac, 240Vac / full load $\leq 1.2 \text{A}$ 115Vac , 230Vac $\leq 0.5 \text{W}$ 264Vac / 50Hz $\leq 0.25 \text{mA}$

OUTPUT SPECIFICATIONS

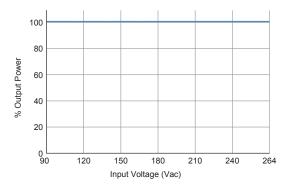
Output voltage/current: Total output power: Protection: Over voltage:	See rating chart See rating chart The adapter will enter into shut down that means no output while over voltage happened at output terminal that caused by internal fault, the output trip voltage shall not exceed 29/37* volts. That will be return to normal state by AC reset. 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 auto-recovery mode. The power supply will enter into shut down while the abnormal thermal rise occurs. That will be return to normal	Operating altitude: Withstand voltage:	of adapter critical component (including rectifiers, fuse surge and current limiting device) 5000 meters above sea level Between AC input and secondary applied DC 4242V,test time 1 minute, cut off current shall be less than 10mA	
		MTBF: EMC Performance: EN55032 FCC VCCI EN61000-3-2: EN61000-3-3:	Class B conducted, class B radiated	
Short circuit & Over current:			Class B conducted, class B radiated Class B conducted, class B radiated Meet class D Meet regulation	
Over temperature: Brown-out		EN61000-4-2: EN61000-4-3: EN61000-4-4: EN61000-4-5:	Air discharge: ±15 KV,contact discharge: ±8KV,meet criterion A 80~1000 MHz,3V/m,80% AM(1kHz),meet criterion A Impulse: ± 1kV applied to L,N,meet criterion A ± 1kV applied differential mode,meet criterion A, ± 2kV	
Environment Working TEMP. Storage TEMP.	state by AC reset. Set at 60Vac~70Vac	EN61000-4-6: EN61000-4-8: EN61000-4-11:	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 Voltage Dips :	
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:	 >95% reduction for 0.5 period,meet criterion A 30% reduction for 25 period,meet criterion B Voltage Interruptions : >95% reduction for 250 period,meet criterion B 100Vac or 240Vac,0°C to 40°C,100% load,50°C,80% load,60°C,60% load,70°C,50% load (Shall be less than the rating of adapter critical component, follow FSP specification (adapter)) 	

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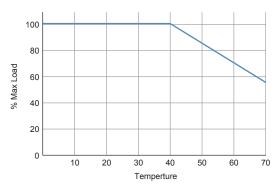


TECHNICAL DATASHEET **270W Adapter** FSP270-AxAN3

INPUT VOLTAGE DERATING CURVE







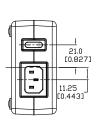
OUTPUT VOLTAGE/CURRENT RATING CHART

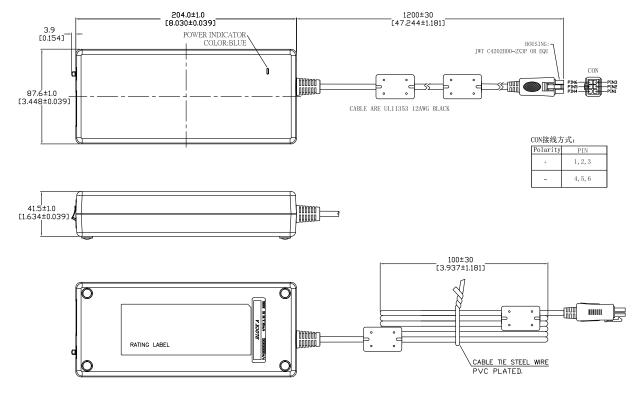
Model	Output Voltage	Output Current	Wattage	AC Inlet	Efficiency	
					DOE(Level VI)	CoC V5 (Tier 2)
FSP270-RHAN3	12V	20A	240W	C14	≧88%	≧89%
FSP270-RBAN3	19V	14.21A	270W	C14	≧88%	≧89%
FSP270-RAAN3	24V	11.25A	270W	C14	≥88%	≧89%
FSP270-RFAN3	48V	5.62A	270W	C14	≥88%	≧89%
FSP270-RWAN3	54V	5A	270W	C14	≧88%	≧89%



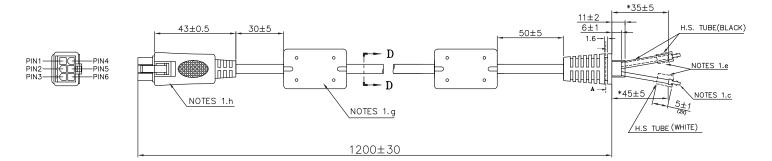
TECHNICAL DATASHEET **270W Adapter** FSP270-AxAN3

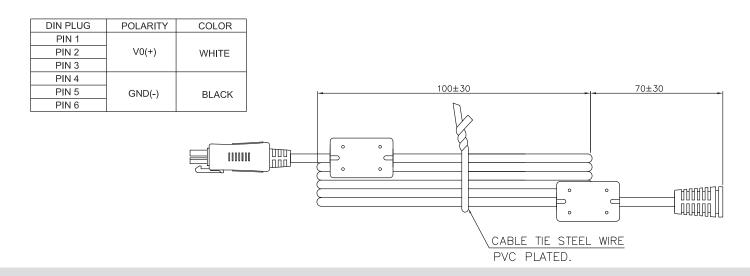
MECHANICAL SPECIFICATIONS





CONNECTOR SPECIFICATIONS





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