



Features

- Meet Efficiency Level VI; CoC Version 5 Tier 2
- Operation up to 5, 000 meters
- Full Range AC Input from 90 to 264 Vac
- IEC320-C14 AC Inlet
- Single regulated output from 19.5/24 Vdc Output
- Output Power: 330W
- High efficiency and reliability
- Class I Power Adapter
- OVP, OCP, Short circuit and thermal protection
- UL/cUL, FCC, TUV, EMC safety approvals

- Meet NRCAN, ERP COC Tier 2, GEMS, CONUEE efficiency requirements
- Meet KC, CCC, RCM, BSMI, PSB, BIS, CU, PSE, NOM safety requirements
- 100% burn-in/Hi-Pot/ATE
- Operation in tropical climate environment
- Custom designs available

Level VI



Description

The SPI FSP330-AxAN3 series are highly reliable AC-DC switching power supplies with output power from 330W. All models of adapters provide different output voltages 19.5VDC and 24VDC with optional DC plug that fit into the demands for various types of consumer, commercial, and industrial electronic devices. They are enclosed in a 94V-0 rated polycarbonate case with an IEC320-C14 inlet to mate with various AC power cords for world-wide use. All models meet FCC Part 15 class B, IC ICES-003, and EMC emission limitations, and comply with Department of Energy (DOE) and Energy-related Products (ErP) standards.

Applications

- Desktop/All-in-One/Notebook PCs
- LCD/LED Monitors
- POS systems
- Office electronic devices
- Telecommunication devices
- Test measurement equipment
- Industrial equipment



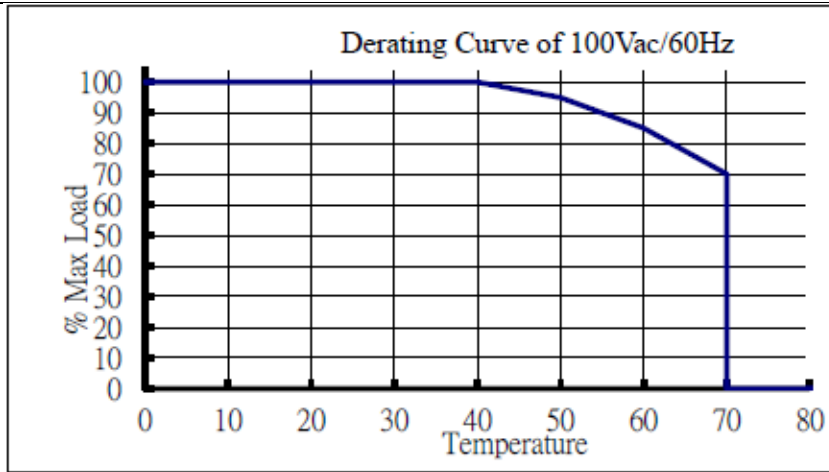
Specifications:

	Model	FSP330-AJAN3	FSP330-AAAN3	
Output	Rated Voltage	19.5V	24V	
	Current	0 ~ 16.9A	0 ~ 13.75A	
	Watts	330W	330W	
	Voltage Regulation	±5%		
	Overshoot	±10%		
	Dynamic Load Change	±10%		
	Ripple & Noise (Max.)	350mVp-p		
	Turn on Time (Max.)	3Sec		
	Rise Time (Max.)	50ms		
	Hold up Time (Min.)	10ms		
	Efficiency (Typical)	90% ~ 93%	92% ~ 93%	
Input	Voltage Range	90 ~ 264Vac		
	Frequency Range	47 ~ 63Hz(±1Hz)		
	Current (Max.)	4.2A		
	Inrush Current (cold start, full load,25°C)	88A @100Vac 168A@240Vac	88A@110Vac 149A @240Vac	
	Leakage Current (Max.)	0.25mA at 264VAC/50Hz		
	No Load Power Consumption	0.21W		
Protection	Short Circuit Protection	output shut down and auto-recovery after Fault condition removed		
	Over Current Protection	output shut down and auto-recovery after Fault condition removed		
	Over Voltage Protection	output shut down at 160% of voltage and recovery after AC reset		
	Over Temperature Protection	output shut down at abnormal temperature and recovery after AC reset		
Safety & Compliance	Safety Approvals	CB,UL/cUL, TUV		
	EMI/EMC	FCC Part 15 Class B, EMC		
	RoHS	2011/65/EU; (EU) 2015/863		
	Hi Pot	Input to output 1.5KV for 1 minute		
	Insulation Resistance	Input to Output at 500Vdc ≥20MΩ		
Environment	Operating Temperature/ Humidity	0~40°C/20~80% (safety) 40 to 70°C Linearly de-rating, need to check safety with system		
	Storage Temperature/ Humidity	-20~80°C/10~90%		
	Vibration	(1) Non-operating, 0.01g2/Hz at 5Hz,slopping to 0.02g2/Hz at 20Hz, And maintain 0.02g2/Hz from 20Hz ~ 500Hz (2) PSD=3.13grms, 15 minutes/axis (3) Vibration duration:15minutes (4) Vibration waveform: Random (5) Force Direction X,Y,Z		
Other	Dimension ((L*W*H)	200 x 100 x 27 mm		
	Adapter Weight (Typical)	750g		
	MTBF	Above 500K hours, Telcordia SR-332 (25°C)		
Note	Contact SPI for further information			

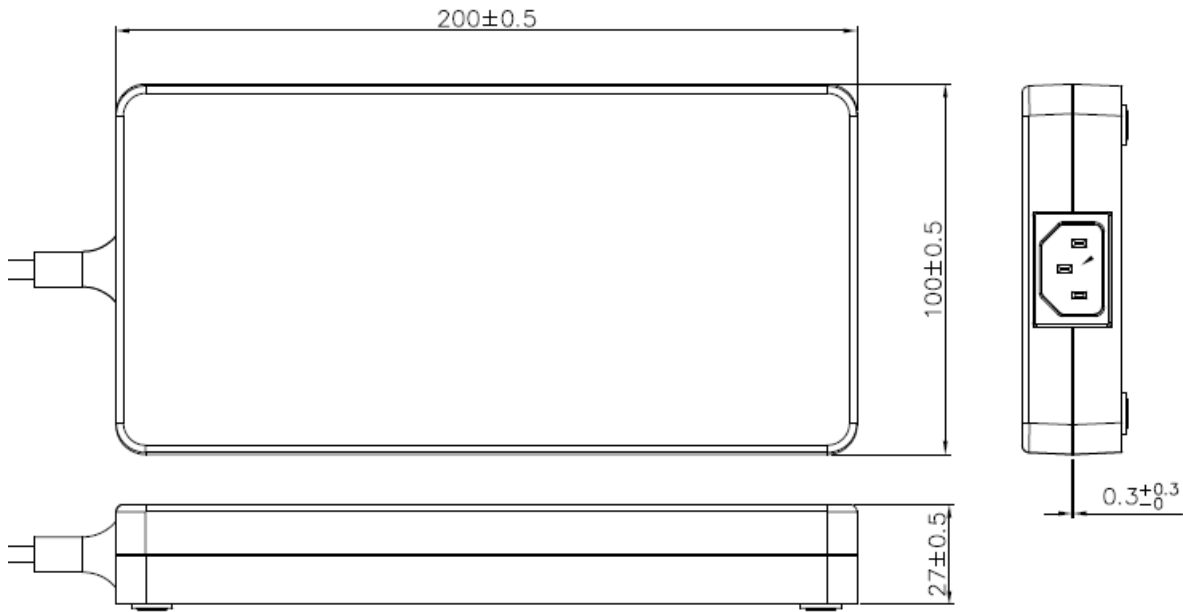


Power Derating

FSP330-AAAN3



Mechanical Drawing (mm)



Optional Output DC Plugs

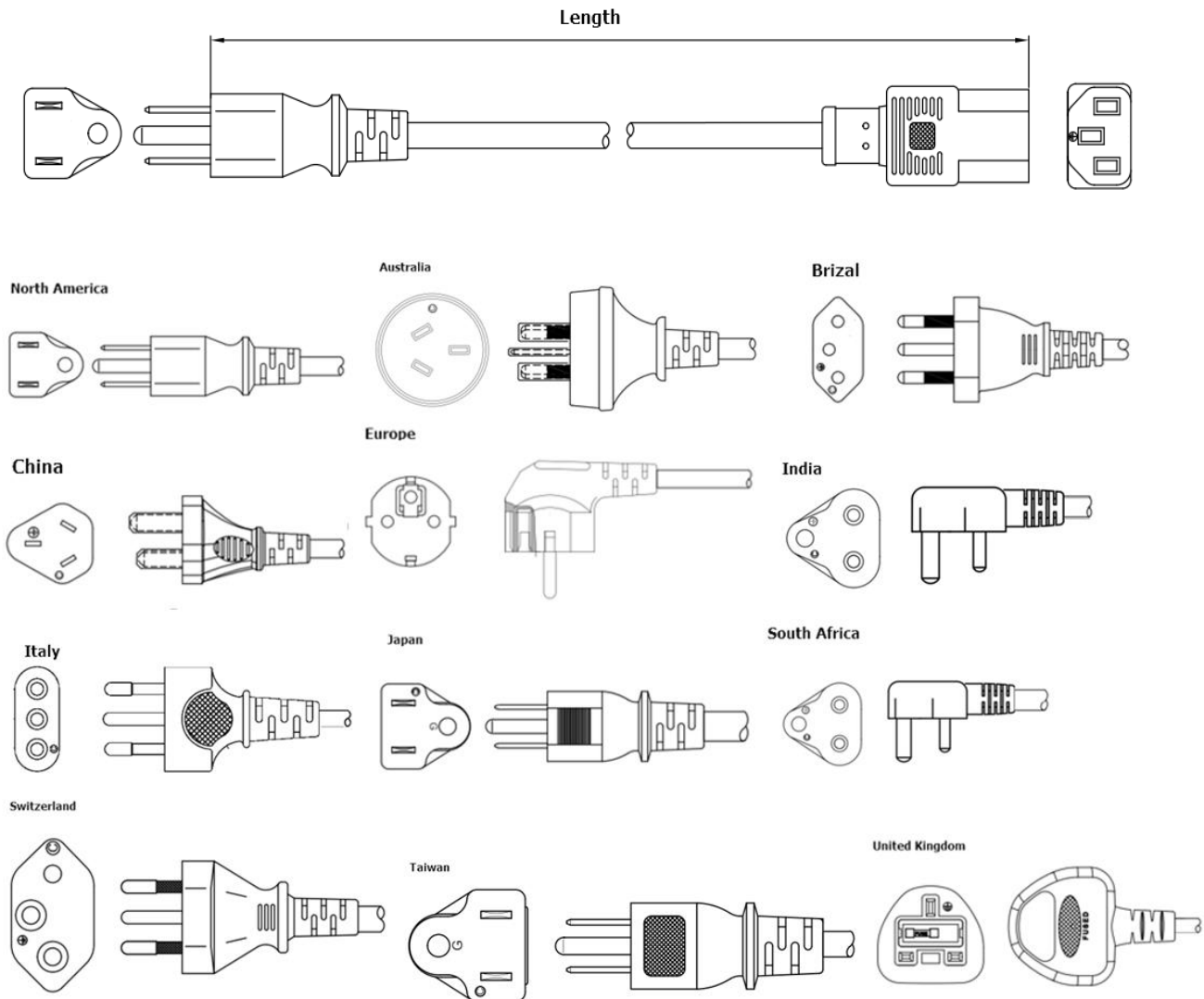
Profile & Dimension	Pinouts	Description	Suitable for SPI Models	Suggested Mating Connector
	1: -V 2: -V 3: -V 4: +V 5: +V 6: +V	6-pin connector Molex receptacle housing 39-01-2060 with female terminal #5556 series or equivalent	FSP330-AJAN3 FSP330-AAAN3	Molex plug housing 39-01-2066 with male terminal #5558 series or equivalent
	1: -V 2: -V 3: -V 4: +V 5: +V 6: +V	6-pin connector Molex receptacle housing 39-01-2065 with female terminal #5556 series or equivalent	FSP330-AJAN3 FSP330-AAAN3	Molex plug housing 39-01-2066 with male terminal #5558 series or equivalent
	1: +V 2: +V 3: -V 4: -V Shell: -V & AC GND	Female 4-pin plug without lock (molding type) Singatron 3MP-3432 or equivalent	FSP330-AJAN3 FSP330-AAAN3	4-pin connector Singatron 2MJ3002, 2MJ-3432, or equivalent

Note: Contact SPI for further information



Optional AC Power Cords

Country	Cable Type	Length	SPI P/N
North America	SVT	1830 mm +/- 50	PCR-B3US-183C
Australia	H05VV-F	1830 mm +/- 50	PCR-B3AU-183B
Brazil	H05VV-F	1830 mm +/- 50	PCR-B3BR-183B
China	RVV 300/500	1830 mm +/- 50	PCR-B3CN-183B
India	H05VV-F	1830 mm +/- 50	PCR-B3OUK-183B
Italy	H05VV-F	1830 mm +/- 50	PCR-B3IT-183B
Japan	VCTF	1830 mm +/- 50	PCR-B3JP-183A
South Africa	H05VV-F	1830 mm +/- 50	PCR-B3SA-183B
Switzerland	H05VV-F	1830 mm +/- 50	PCR-B3SW-183B
Taiwan	VCTF	1830 mm +/- 50	PCR-B3TW-183A
United Kingdom	H05VV-F	1830 mm +/- 50	PCR-B3UK-183B



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