



FSP130-RAAT3

FEATURES

- Certified 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

SAFETY STANDARD APPROVAL



DESCRIPTION

This product is a 130 Watts AC To DC adapter intended for use in printers that have high wattage demands. This adapter operates from 90 to 264 VAC input voltage. The unit meets EN55032 Class B, EN55024, and FCC Class B emission limits, and is designed for ITE applications.

INPUT SPECIFICATIONS

Input voltage:	90-264 VAC
Input frequency:	47-63 Hz
Input current:	100Vac, 240Vac / full load \leq 2A
No load power consumption	115Vac, 230Vac \leq 0.5W
Touch current:	264Vac / 50Hz \leq 0.25mA

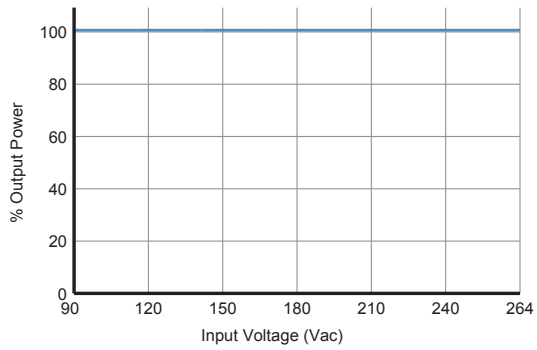
OUTPUT SPECIFICATIONS

Output voltage/current:	24V/5.42A
Total output power:	130W
Protection:	
Over voltage:	The adapter shuts down which means no output, when over voltage happens at output terminal caused by internal fault. The output trip voltage shall not exceed 32 Volts. It can return to normal state by AC reset.
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 auto-recovery mode.
Over temperature:	The power supply will enter into shut down while the abnormal thermal rise occurs. That will be return to normal state by AC reset.
Brown-out	Set at 60Vac~70Vac
Environment	
Working TEMP.	0~70°C (> 40°C de-rating)
Storage TEMP.	-20~+80°C
Working Humidity	20~80% RH non-condensing
Storage Humidity	10~90% RH non-condensing

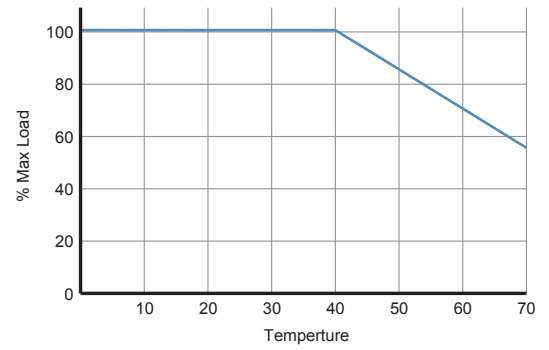
INPUT SPECIFICATIONS

Power factor:	115Vac, 230Vac / full load \geq 0.9 Provisions for adding harmonic reduction per EN 61000-3-2 must be present.
Efficiency:	DOE level 6: 88% CoC v5 Tier 2 : 89%
Power turn-on time	At 100Vac / full load, output voltage shall remain regulation \leq 3Sec
Hold-up time:	At 100Vac or 240Vac / full load, output voltage shall remain regulation \geq 10ms
Inrush current:	100Vac, 240Vac / full load, Shall be less than the rating of adapter critical component (including rectifiers, fuse surge and current limiting device)
Operating altitude:	5000 meters above sea level
Withstand voltage:	Between AC input and secondary applied DC 4242V, test time 1 minute, cut off current shall be less than 10mA
MTBF:	100Vac, 240Vac / full load, 300,000 hours at 25°C, standard SR332
EMC Performance:	Class B conducted, class B radiated
EN55032	Class B conducted, class B radiated
FCC	Class B conducted, class B radiated
VCCI	Meet class D
EN61000-3-2	Meet regulation
EN61000-3-3	Air discharge: \pm 15KV, contact discharge: \pm 8KV, meet criterion A
EN61000-4-2	80 ~ 1000 MHz, 3V/m, 80% AM(1kHz), meet criterion A
EN61000-4-3	Impulse: \pm 1kV applied to L,N, meet criterion A
EN61000-4-5	\pm 1kV applied differential mode, \pm 2kV applied common mode, meet criterion A
EN61000-4-6	0.15 ~ 80 MHz, 3Vrms, 80% AM(1kHz), meet criterion A
EN61000-4-8	50 Hz or 60Hz, 1A/m, meet criterion A
EN61000-4-11	Voltage Dips : >95% reduction for 0.5 period, meet criterion B 30% reduction for 25 period, meet criterion C Voltage Interruptions : >95% reduction for 250 period, meet criterion B
Power de-rating:	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))

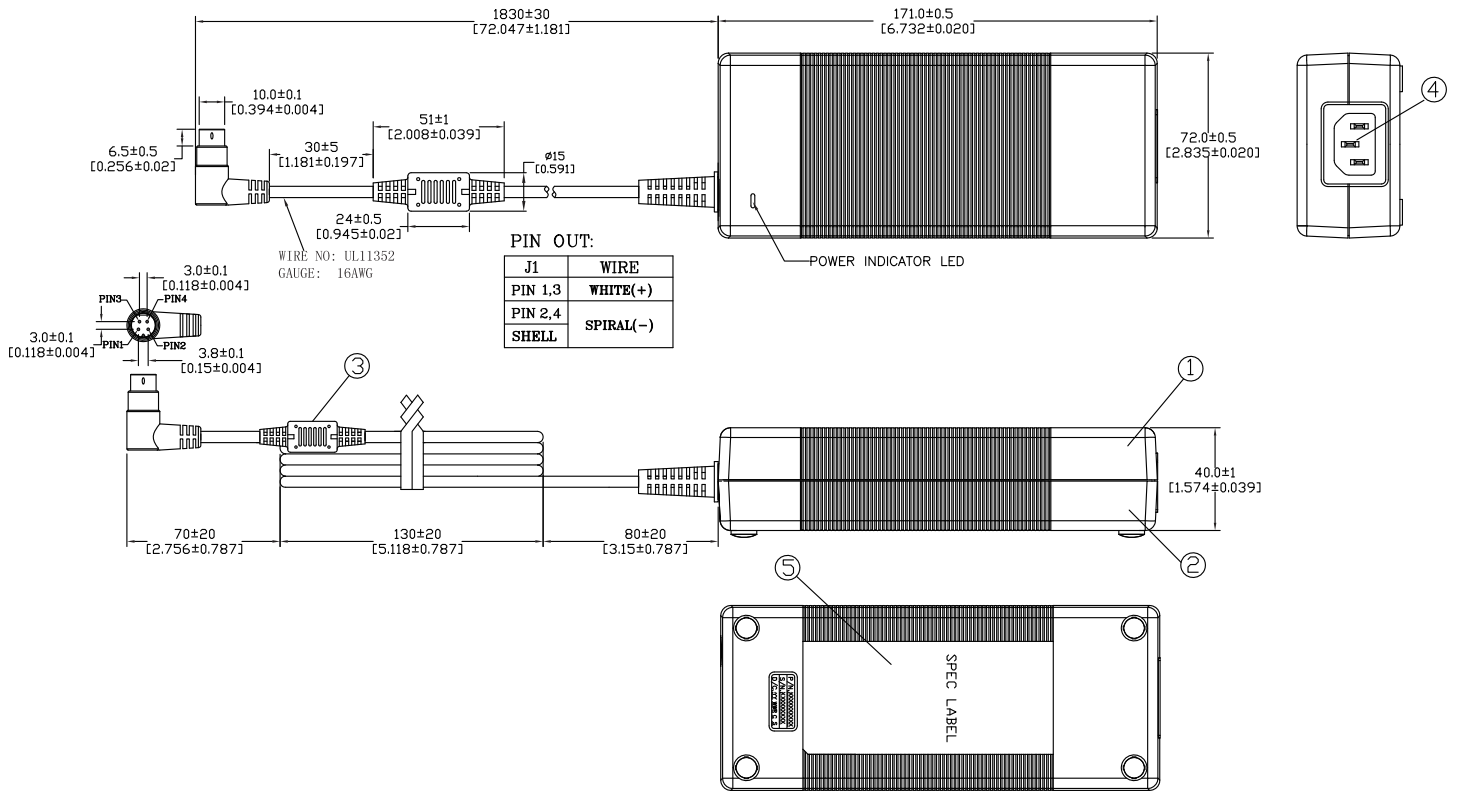
INPUT VOLTAGE DERATING CURVE



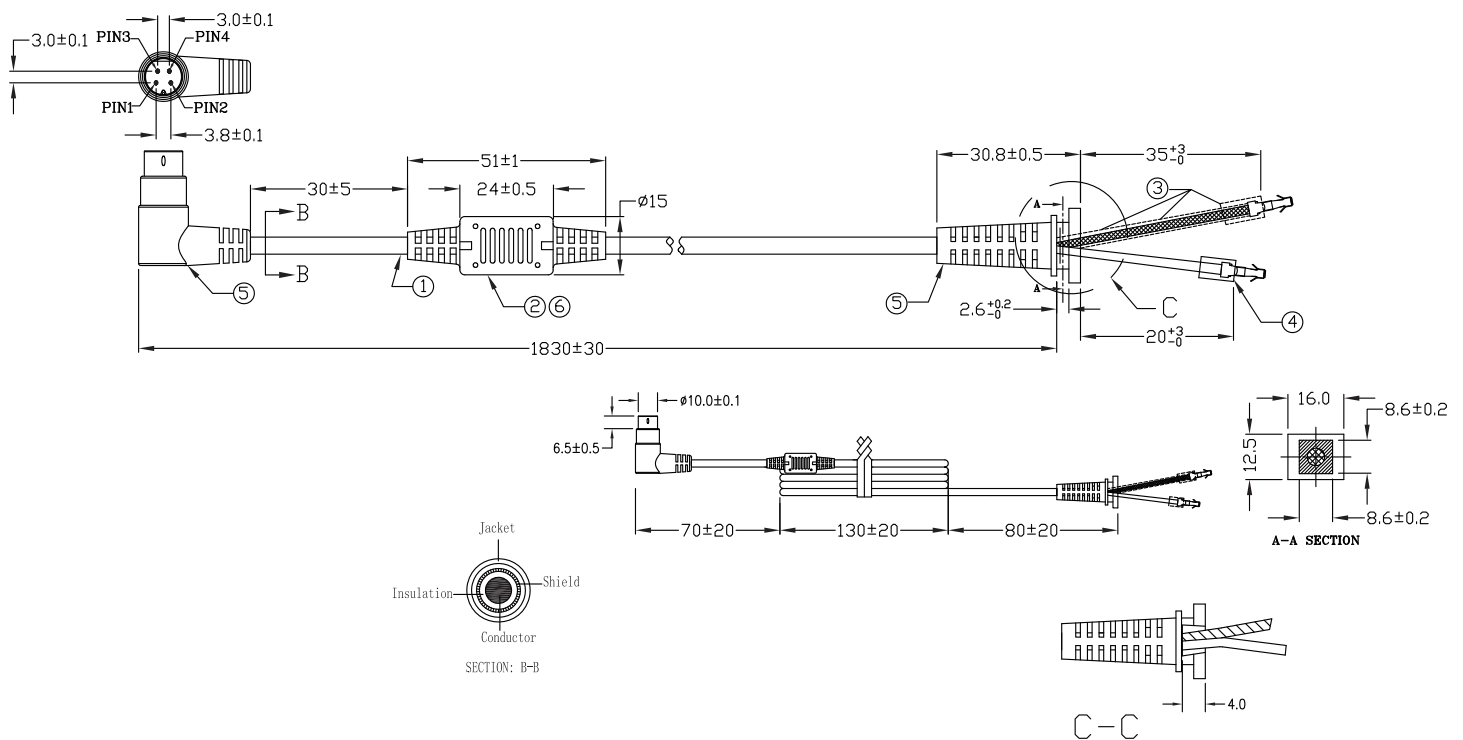
OUTPUT POWER DERATING CURVE



MECHANICAL SPECIFICATIONS



CONNECTOR SPECIFICATIONS



NOTES:

- Dimensions shown in mm.