



Features:

- Constant voltage design
- 90-264VAC input range
- Protections: short circuit, over load
- Cooling by free air convection
- Class II power unit, no FG
- 100% full load burn-in test
- Suitable for LED lighting
- High reliability/Low cost
- 2 Years warranty

SPECIFICATION

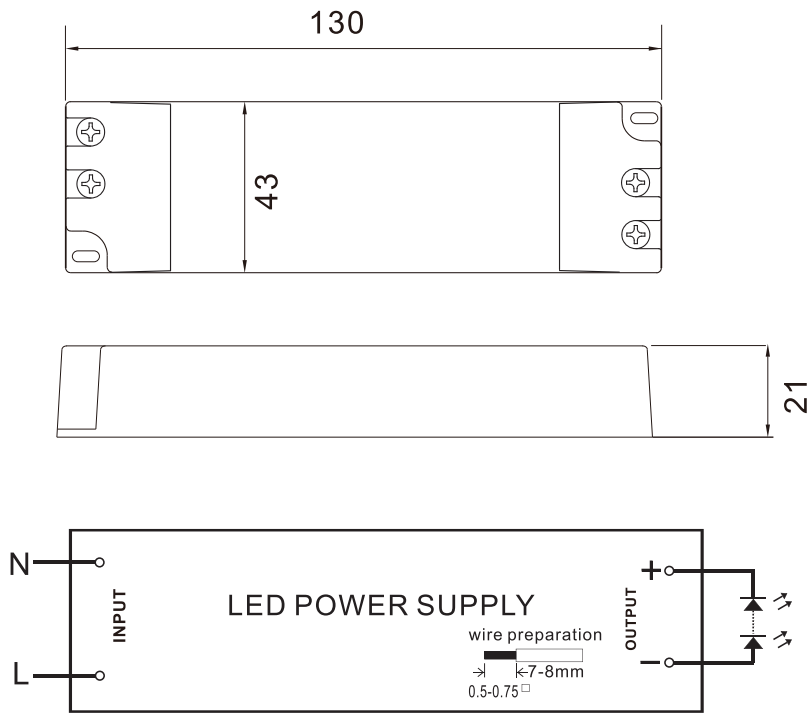
Dimension: 130 × 43 × 21mm



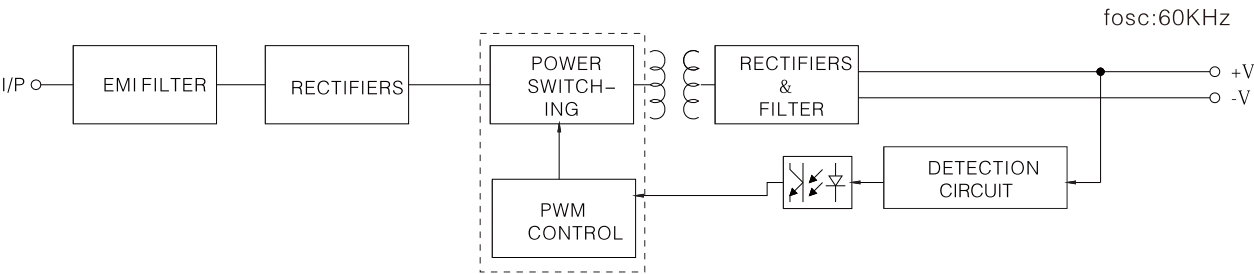
	Model	FAP-25-5V	FAP-25-12V	FAP-25-15V	FAP-25-24V
Output	DC voltage	5V	12V	15V	24V
	Rated current	3A	2.1A	1.67A	1.0A
	Current range	0 ~ 3A	0 ~ 2.1A	0 ~ 1.67A	0 ~ 1.0A
	Rated power	15W	25.2W	25W	24W
	Ripple&noise	80mVp-p	120mVp-p	120mVp-p	150mVp-p
	Voltage tolerance	± 3.0%			
	Line regulation	± 1.0%			
	Load regulation	± 2.0%			
	Setup, rise time	500ms, 20ms/230VAC 500ms, 20ms/115VAC at full load			
	Hold up time	50ms/230VAC 16ms/115VAC at full load			
Input	Voltage range	90~264VAC 127~370VDC			
	Efficiency	77%	82%	83%	83%
	Frequency range	47~63Hz			
	AC current	0.55A/115VAC 0.35A/230VAC			
	Inrush current	Cold start 70A/230VAC (twidth=215 μs measured at 50% Ipeak)			
Protection	Leakage current	< 0.25mA/240VAC			
	Overload	110~150% rated output power Start overload protection			
		Protection type: hiccup mode, auto-recovery after fault condition is removed			
Environment	Working temperature	-20°C ~ +60°C (Please refer to "derating curve")			
	Working humidity	20%~90%RH Non-condensing			
	Storage temp, humidity	-40°C ~ +80°C; 10%~95%RH			
	Temp. coefficient	± 0.03%/°C (0~50°C)			
	Vibration	10 ~ 500Hz, 2G 10min./1Cycle, Period for 60min, Each axes			
Safety& EMC	Safety standard	Compliance to UL 62368-1, EN 62368-1, TUV 62368-1			
	Withstand voltage	I/P-O/P: 1.5KVAC			
	Isolation resistance	I/P-O/P: 100M Ohms/500VDC/25°C/70%RH			
	EMC standard	Compliance to EN 55032, EN 61000-3-2, CLASS A			
Others	MTBF	430K hrs min. MIL-HDBK-217F(25°C)			
	Dimension	130*43*21 mm (L*W*H)			
	Packing	0.15kg/100pcs/15kgs/0.074m³/0.55CUFT			

- Note: 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
 3. Tolerance : includes set up tolerance, line regulation and load regulation.
 4. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.
 5. Suitable for indoor use only.

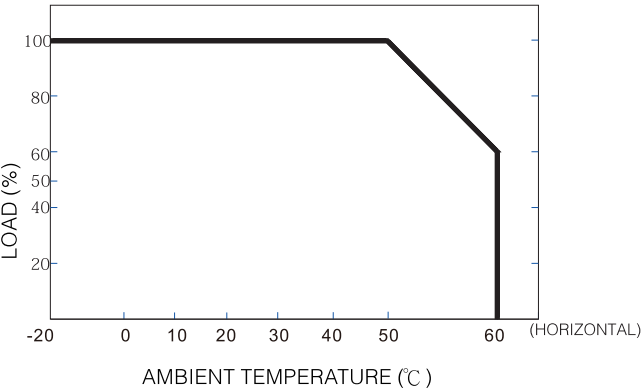
Mechanical specification
Unit:mm



Block diagram



Derating curve



Static characteristic

