

Features

- For LED Indoor Office/ Commercial Application
- Compact Size 2" x 4" x 1.2"
- High Reliability & Long Life
- Built in PFC Function
- Built in Constant Current Limiting Design (C.V. + C.C. Mode)
- Wide Range Input 100-240Vac
- 100% Burn-in Test
- Safety: Meet IEC61347-2-13, UL8750 & EMI EN55015
- Protections: Short Circuit/ Open Circuit/ Over Voltage/ Over Temperature
- Class 2 power unit
- 2 years warranty



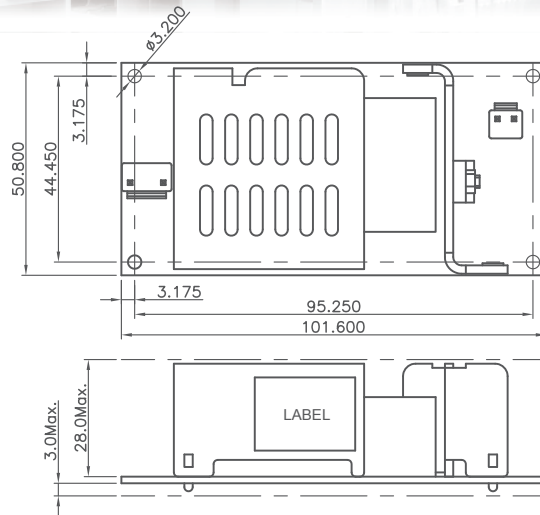
SPECIFICATION

Model Name		RIN-45-12	RIN-45-19	RIN-45-24	RIN-45-36	RIN-45-48	RIN-60-48
Output	Rated Power	45.6W	45.6W	45.6W	45W	45.6W	60W
	Output Voltage	9-12V	14-19V	18-24V	26-36V	36-48V	36-48V
	Rated Current	3.8A	2.4A	1.9A	1.25A	0.95A	1.25A
	Ripple & Noise (max.)	4.2Vp-p	4.2Vp-p	3.8Vp-p	4.2Vp-p	4.8Vp-p	5.6Vp-p
Input	Input Voltage/ Frequency	100~240Vac/ 47~63Hz					
	Power Factor (typ.)	PF≥0.9					
	Efficiency (typ.)	84%	86%	88%	88%	88%	88%
	Inrush Current (typ.)	42A @ 230Vac cold start					
	Leakage Current	<0.75mA @ 240Vac					
Environment	Operating Temperature	-20°C~+50°C	-20°C~+60°C	-20°C~+60°C	-20°C~+60°C	-20°C~+60°C	-20°C~+50°C
	Operating Humidity	20~95%RH					
	Storage Temperature, Humidity	-40°C~+85°C / 10~95%RH					
Protection	Over Voltage Protection	14~16 V	24~30 V	28~35 V	45~52 V	57~63 V	57~63 V
	Other Protections	OTP; SCP; Open Circuit Protection					
Safety & EMC	Safety Standards	EN61347-1, EN61347-2-13, UL8750					
	EMC Standard	EN55015, EN61000-3-2 Class C (≥75% load) EN61000-3-3, EN61000-4-2, 3, 4, 5, 6, 8, 11					
	Pulsation Level	5%	5%	5%	5%	5%	5%
	Surge Voltage	Differential Mode ≥ 1KV; Common Mode ≥ 2KV					
	Withstand Voltage (Hipot)	I/P-O/P 3750Vac, I/P-FG 1875Vac					
	Isolation Resistance	I/P-O/P I/P-FG: 100M ohm @ 500Vdc, 25°C					
Others	MTBF	100k hrs					
	Dimension (LxWxH)	101.6x50.8x28.0 mm					
	Net Weight / Packing	165g; 56 pcs / carton					

Notes:

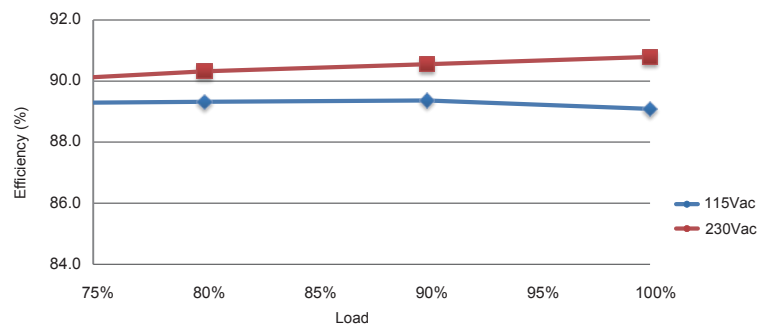
1. Data at full load and rated voltage, 230VAC/50Hz input, and 25°C ambient temperature unless otherwise specified
2. Measurement at 20MHz bandwidth oscilloscope (Rated input and rated output)
3. The input voltage information on the label should be marked ±10% less than the original input voltage, to conform with safety regulations
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 luminary manufacturers must re-qualify EMC Directive on the complete installation again
5. All the models above are CE certified, except RIN-60-48. CE certificate of RIN-60-48 is being processing now.



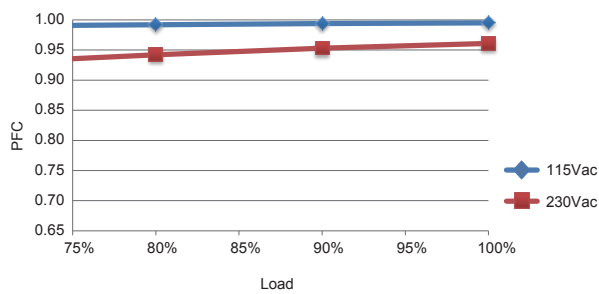


Unit: mm

Efficiency



PFC vs Loading



THD vs Input Voltage

