

LED Driver

LP1017-xx Series Switch-Mode LED Driver	
Total Power	17 Watts
Input Voltages	90 ~ 264 VAC or 100-277VAC
Number of Outputs	One

Product Specifications

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SPECIAL FEATURES

- UL48, Class 2 compliant
- Single output, constant current or constant voltage design
- IP66 compliant
- Suitable for wet or damp locations
- Designed for outdoor or indoor applications
- Convection cooled in plastic enclosure
- Compact, lightweight
- Active PFC reduces power consumption

ENVIRONMENTAL

Operating temperature: -30 to 60 °C
(De-rating : 1% per °C from 60~70°C)
Storage temperature: -40 to +85° C
Humidity (Non-Condensing): 5% to 95%
Cooling: Convection
Vibration Frequency: 5 to 50 Hz
MTBF: >100,000 Hours at full load and 25°C ambient conditions (MIL-217F)
EMC : Compliant to 47CFR, Part 2, Part15 and Cispr PUB, 22 Class B

ELECTRICAL SPECIFICATIONS

Input range 90 ~ 264 VAC, Full range or 100~277VAC
Frequency 47 to 63 Hz
Power Factor > 0.92 at full load, 115VAC
Crest Factor 1.5 max.
Inrush current 10.0 Amps maximum at 230VAC, cold start, 25° C
Input current 0.3 Amps maximum at 115VAC
Efficiency 82% typical at maximum load
EMI filtering 47CFR, Part 2, Part 15 and Cispr PUB, 22 Class B
Maximum power 17W
Current Accuracy ±1% (when applicable)
Load regulation ±3%
Leakage Current 300uA typ.
Hold up time Half cycle minimum at 120 VAC and 80% of rated load
Protection Over-voltage, Over current and Short circuit protection: Auto-recovery

SAFETY

UL UL48, Class 2 compliant
cUL CUL48, Class 2 compliant
CE

Model Number	Constant Voltage Mode			Model Number	Constant Current Mode		
	V (DC)	Output A (mA)	Watts		V (DC)	Output A (mA)	Watts
LP1017-36	36, ±5%	470	17	LP1017-36-C0470	18~ 36	470, ±5%	17
LP1017-24	24, ±5%	700	17	LP1017-24-C0700	12~ 24	700, ±5%	17
LP1017-12	12, ±5%	1400	17	LP1017-12-C1400	6 ~ 12	1400, ±5%	17

Note: The output current of Constant Current models are adjustable at factory from 50% ~ 100%.
The minimum load required is 40% for the Constant Voltage versions.

MECHANICAL DRAWING

