

LED Driver

Product Specifications

LP1025-xx Series Switch-Mode LED Driver

Total Power	25 ~ 30Watts
Input Voltages	115-277VAC
Number of Outputs	One

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SPECIAL FEATURES

- UL1310 / UL879 Class 2 compliant
- Single output, constant current or constant voltage design
- IP66 compliant
- Designed for outdoor or indoor applications
- Compact, lightweight in plastic case
- PFC to reduce power consumption
- ELV (Trailing-Edge) dimmable - Optional

ELECTRICAL SPECIFICATIONS

Input range	90 ~ 264 VAC, Full range or 100~277VAC
Frequency	47 to 63 Hz
PF / THD	> 0.92 / < 20% at full load, 115~230VAC
Inrush current	20.0 Amps maximum at 230VAC, cold start, 25° C
Input current	0.4 Amps maximum at 115VAC
Efficiency	85% typical at maximum load
EMI filtering	47CFR, Part 2, Part 15 and CispR PUB, 22 Class B
Maximum power	25 ~ 30W (refer to chart below)
Current Accuracy	±1% (when applicable)
Load regulation	±3%
Ripple/Noise	N/A
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

ENVIRONMENTAL

Operating temperature:	-30 to 50 ° C (De-rating : 2% per ° C from 50~70°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
Acoustic Noise:	Less than 24db (20-20K Hz)

SAFETY

UL / cUL	UL1310 / UL879A Class 2 certified
CE	Certified
Surge immunity	IEC61000-4-5:1995/A1:2000 @ 4KV

Model Number	Constant Voltage Mode			Model Number	Constant Current Mode		
	V (DC)	A (mA)	Watts		V (DC)	A (mA)	Watts
LP1025-50	50, ±5%	600	30	LP1025-50C0600	26 ~ 50	600, ±5%	30
LP1025-42	42, ±5%	700	30	LP1025-42C0700	22 ~ 42	700, ±5%	30
LP1025-36	36, ±5%	700	25	LP1025-36C0700	18 ~ 36	700, ±5%	25
LP1025-24	24, ±5%	1040	25	LP1025-24C1040	12 ~ 24	1040, ±5%	25
LP1025-12	12, ±5%	2080	25	LP1025-12C2080	8 ~ 12	2080, ±5%	25

MECHANICAL DRAWING

