



Features

- ✓ Universal AC input 100-277Vac;
- ✓ Constant voltage mode, Class 2 Power supply;
- ✓ Surge protection: DM: 6KV, CM: 10KV;
- ✓ Multi-Protections: OCP, OVP, SCP, OTP;
- ✓ IP67/IP68;
- ✓ 5 years warranty

Applications

LED advertising light box
LED landscape lighting
LED outdoor lighting
LED Floodlight
LED greenhouse lighting

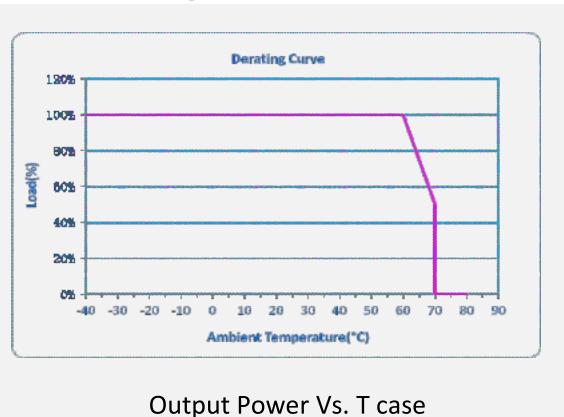
Technical Data

Model		L2-060N-012	L2-060N-024
OUTPUT	DC VOLTAGE	12V	24V
	RATED CURRENT	5A	2.5A
	RATED POWER	60W	60W
	RIPPLE & NOISE Note.2	150mVp-p	240mVp-p
	VOLTAGE TOLERANCE Note.3	±0.5V	
	LINE REGULATION	1%	
	LOAD REGULATION	1%	
INPUT	SETUP, RISE TIME Note.5	1000mS, 50mS/115Vac	500mS, 50mS/230Vac
	VOLTAGE RANGE Note.4	100-277Vac (Extreme input Voltage: 90-305Vac)	
	FREQUENCY RANGE	50/60Hz	
	POWER FACTOR (Typ.)	PF ≥ 0.99/115VAC, PF ≥ 0.95/230VAC, PF ≥ 0.93/277VAC @ full load	
	TOTAL HARMONIC DISTORTION	THD< 20% (@full load)	
	EFFICIENCY (Typ.)	88%	
	AC CURRENT (Typ.)	0.65A / 115VAC 0.35A / 230VAC 0.3A / 277VAC	
	INRUSH CURRENT (Typ.)	≤60A COLD START 1.6ms	
PROTECTION	LEAKAGE CURRENT	<0.75mA / 277VAC	
	OVER CURRENT	105%-140%	
	SHORT CIRCUIT	Hic cup, recovers after fault condition is removed	
	OVER VOLTAGE	<16V	<35V
ENVIRONMENT	OVER TEMPERATURE	Hic cup, recovers after fault condition is removed	
	WORKING TEMP.	-40~+60℃	
	MAX. CASE TEMP.	90℃	
	WORKING HUMIDITY	20~95% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-40 ~ +80℃, 10 ~ 95% RH	
SAFETY & EMC	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes	
	SAFETY STANDARDS	UL8750; CE	
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2.0KVAC O/P-FG:1.5KVAC	
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25℃ / 70% RH	
	EMC EMISSION Note.6	FCC: PART 15B Class B; CE-EMC/RCM: EN55015, EN61000-3-2, EN61000-3-3	
OTHERS	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11; BS EN/EN61547, light industry level (surge immunity: Line-Earth 10KV, Line-Line:6KV)	
	MTBF	3216K hrs min. Telcordia SR-332 (Bellcore); 345.8K hrs min. MIL-HDBK-217F (25℃)	
	DIMENSION	L148.5*W53.5*H30mm	
WARRANTY Note.7		5 years (Tc 75℃)	

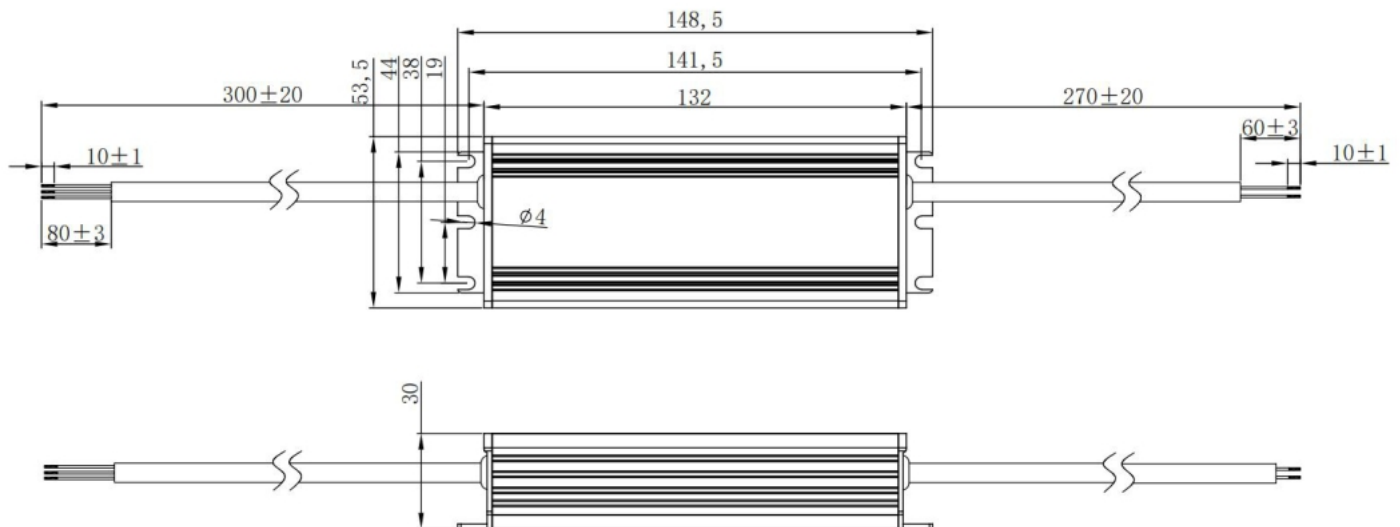
NOTE

1. All parameters NOT specially mentioned are measured at 230VAC input, rated current 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. De-rating may be needed under low input voltages.
5. Length of set up time is measured at first cold start. Turning ON/OFF the driver may lead to increase of the set up time.
6. The driver 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.
7. This series meets the typical life expectancy of >50,000 hours of operation when Tcase is about 75°C or less.

Derating Curve



Mechanical Outline (unit: mm, ±0.5mm)



Wires	Specification	Remark
Input Wires	SJOW or SJTW 3C*18AWG Min. 300V Black : L, White: N, Green: PE	UL
Output Wires	SJOW or SJTW 2C*18AWG Min. 300V RED : LED+, Black : LED-	UL

Packaging

Model	L2-060N-012/024
Dimension	400×330×148mm (L×W×H)
Quantity	28PCS/Ctn
Weigh	0.43kg±5%/PC; Gross Weight: 13.5Kg ± 10%