

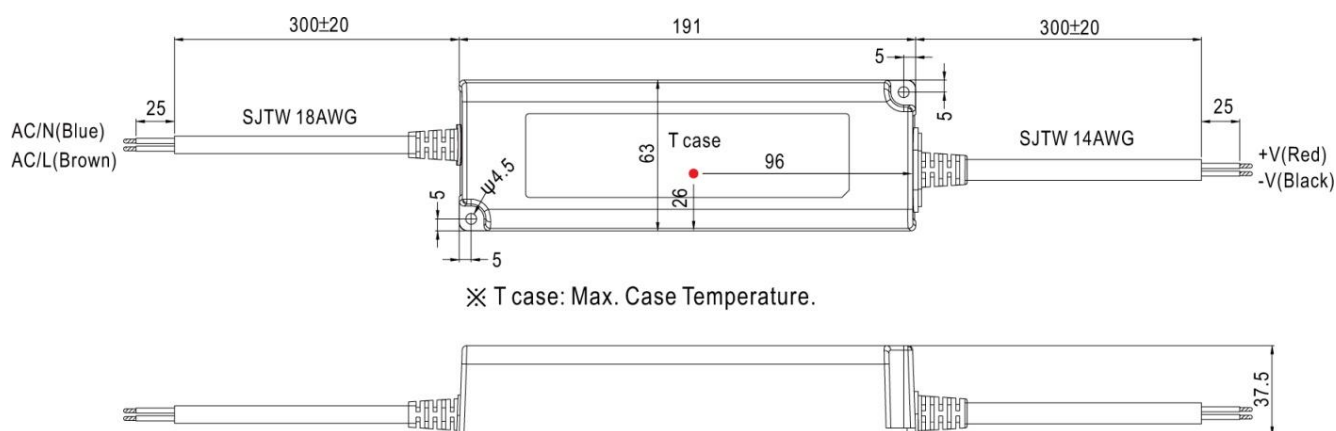


Fuente de alimentación de tensión constante. Funciona desde 180 ~ 305VAC. Consigue una alta eficiencia sin ventilador, hasta un 89%, gracias a un diseño optimizado y es capaz de funcionar desde -25 °C ~ + 65 °C. La protección es IP67 permiten que esta serie se adapte tanto a aplicaciones interiores como exteriores. Otras tensiones están disponibles.

*Constant voltage power supply. Operates from 180~305VAC. It achieves high efficiency without fan, up to 89% thanks to an optimized design and is capable of operating from -25 °C ~ + 70 °C.*

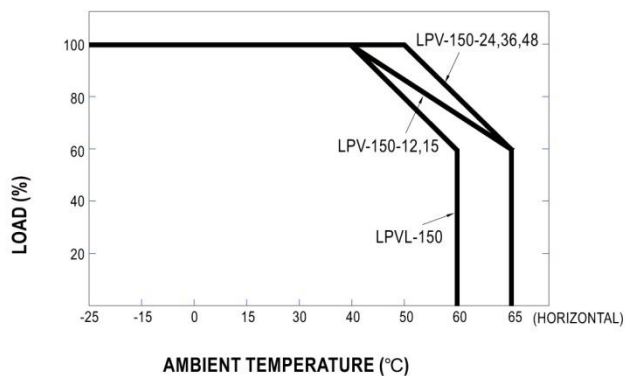
*The IP67 protection allows this series to suit both indoor and outdoor applications. Other voltages are available.*

## ■ Medidas / Dimensions



MODEL		LPV □ -150-12	LPV-150-15	LPV □ -150-24	LPV-150-36	LPV-150-48	
OUTPUT	DC VOLTAGE	12V	15V	24V	36V	48V	
	RATED CURRENT	10A	8A	6.3A	4.2A	3.2A	
	CURRENT RANGE	0 ~ 10A	0 ~ 8A	0 ~ 6.3A	0 ~ 4.2A	0 ~ 3.2A	
	RATED POWER	120W	120W	151.2W	151.2W	153.6W	
	RIPPLE & NOISE (max.) Note.2	200mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p	
	VOLTAGE TOLERANCE Note.3	±5.0%					
	LINE REGULATION	±1.0%					
	LOAD REGULATION	±2.0%					
	SETUP, RISE TIME Note.6	LPV-150: 500ms, 50ms / 230VAC 500ms, 50ms / 277VAC; LPVL-150: 1500ms, 50ms / 115VAC					
HOLD UP TIME (Typ.)	LPV-150: 18ms/230VAC 20ms/277VAC at full load; LPVL-150: 10ms/115VAC at full load						
INPUT	VOLTAGE RANGE Note.4	LPV-150: 180 ~ 305VAC 254 ~ 431VDC; LPVL-150: 90~132VAC 254 ~ 370VDC					
	FREQUENCY RANGE	47 ~ 63Hz					
	EFFICIENCY (Typ.)	87%	88%	89%	89%	90%	
	AC CURRENT	LPV-150: 1.7A/230VAC 1.5A/277VAC; LPVL-150: 3.0A/115VAC					
	INRUSH CURRENT (Typ.)	Blank type	COLD START 60A(twidth=900µs measured at 50% Ipeak) at 230VAC				
		L type	COLD START 75A(twidth=900µs measured at 50% Ipeak) at 115VAC				
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	Blank type	2 units (circuit breaker of type B) / 3 units (circuit breaker of type C) at 230VAC				
L type		1 units (circuit breaker of type B) / 2 units (circuit breaker of type C) at 115VAC					
LEAKAGE CURRENT	LPV-150: 0.25mA / 240VAC LPVL-150:0.25mA / 120VAC						
PROTECTION	OVERLOAD	110 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed					
	OVER VOLTAGE	13.5 ~ 18V	17 ~ 25V	27 ~ 35V	40 ~ 49V	52 ~ 63V	
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down					
ENVIRONMENT	WORKING TEMP.	-25 ~ +65°C (Refer to "Derating Curve")					
	WORKING HUMIDITY	20 ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH					
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 40°C for LPV-150-12,15 and LPVL-150-12,24;0~50°C for LPV-150-24,36,48)					
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes					
SAFETY & EMC	SAFETY STANDARDS	Blank type	UL8750,CSA C22.2 No 250.13-12,UL879,CSA C22.2 No.207-M89,IP67 approved. Design refer to EN60950-1				
		L type	UL8750(type"HL"),CSA C22.2 No 250.13-12,UL879,CSA C22.2 No.207-M89,IP67 approved				
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC					
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C/ 70% RH					
	EMC EMISSION	Blank type	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2 Class A(≤80% load), EN61000-3-3				
		L type	Compliance to FCC part 15				
EMC IMMUNITY	Blank type	Compliance to EN61000-4-2,3,4,5,6,8,11; EN55024, light industry level, criteria A					
	L type	Design refer to IEC61000-4-2,3,4,5,6,8,11; light industry level, criteria A					
OTHERS	MTBF	703Khrs min. MIL-HDBK-217F (25°C)					
	DIMENSION	191*63*37.5mm (L*W*H)					
	PACKING	LPV-150: 0.74Kg;20pcs/15.8Kg/0.95CUFT; LPVL-150: 0.85Kg;20pcs/17Kg/0.95CUFT					
NOTE	<p>1. All parameters NOT specially mentioned are measured at 230VAC(115VAC for LPVL) input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>4. Derating may be needed under low input voltage. Please check the static characteristics for more details.</p> <p>5. 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.</p> <p>6. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.</p> <p>7. The unit might not be suitable for lighting applications in EU countries. Please check with your local authorities for the possible use of the unit.</p> <p>8. Suitable for indoor use or outdoor use without direct sunlight exposure.</p>						

■ Derating Curve



■ Static Characteristics

