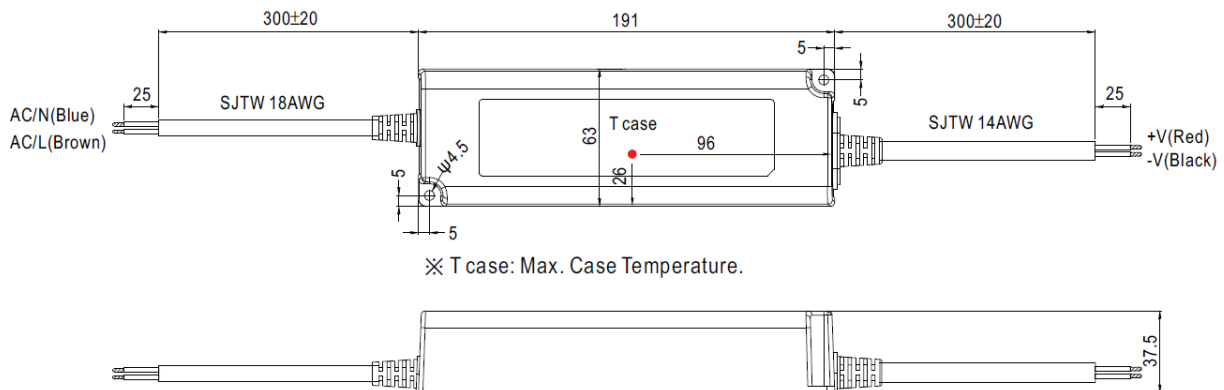


8 380 67 24 151 - IP67 LED power supply

Product Features

- Constant voltage design
- 180~305VAC
- Universal AC input / full range
- Fully encapsulated with IP67 level
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Overload / Over voltage/ Over temperature
- Fully isolated plastic case
- fanless design, cooling by free air convection
- Cooling by free air convection.
- Class 2 power unit, no FG
- 100% full load burn-in test
- Low cost, high reliability
- Listed in UL sign component manual (SAM)
- 2 years warranty

1. Dimension



2. Description

- LVP-150 is a 150W single output power supply that specifically and perfectly work for LED lighting and LED moving sign applications. As a class 2 power unit, the LVP-150 is housed with the UL 94V-0 rated flame retardant plastic enclosure. The IP67 design allows the model to fit the use at dry, damp and wet locations.

LEDsGO BV

Drieslaan 6 | B-8560 Wevelgem (Moorsele) | Tel +32 (0) 56 424 992
 BTW BE 0824.326.685 | ING IBAN BE47 3630 7083 3480 | BIC BBRUBEBB

3. Specifications:

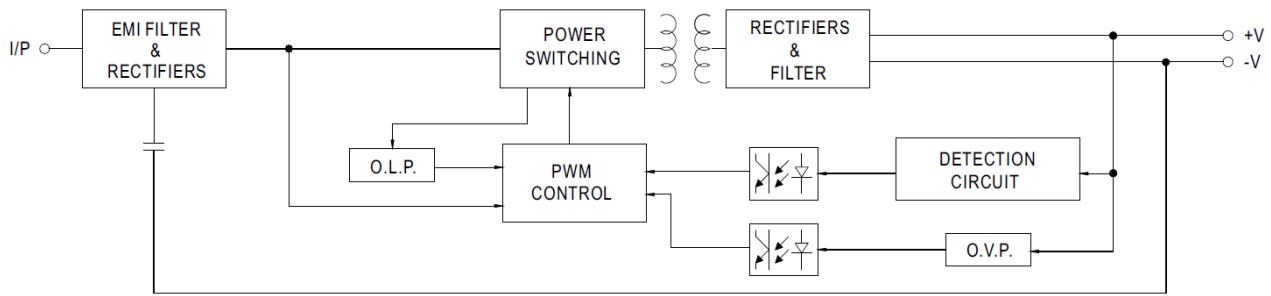
	Parameter	Value
Output	DC voltage	24,0VDC
	Rated current	6,3A
	current range	0-6,3A
	Rated power	151.2W
	Efficiency (typ.)	89%
	Ripple & noise (max.)	Note.1 150mVp-p
	Voltage Tolerance	Note.2 ±5.0%
	Line regulation	±1.0%
	Load regulation	±2.0%
	Setup, rise time	Note.3 500ms, 50ms / 230VAC 500ms, 50ms /277VAC
	Hold up time (typ.)	18ms/230VAC 20ms / 277VAC at full load
Input	Voltage range	Note.4 80~305VAC 254~431VDC
	Frequency range	47~63Hz
	AC current	1,7A/230VAC 1,5A/277VAC
	Max. No. of PSUs on 16A circuit breaker	2 units (circuit breaker of type B) / 3 units (circuit breaker of type C) at 230VAC
	Inrush current (max.)	Cold start 60A(twidth=900µs measured at 50% Ipeak) at 230VAC
	Leakage current	0.25mA / 240VAC
Protection	Over load	110 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed
	Over Voltage	27~35V Protection type: Shut down o/p voltage, re-power on to recover
	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 ~ 50°C)
	vibration	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes
Safety & EMC	safety standards	UL8750,CSA C22.2 No 250.13-12,UL879,CSA C22.2 No.207-M89,IP67 approved. Design refer to EN60950-1
	withstand voltage	I/P-O/P:3KVAC
	isolation resistance	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH
	EMC emission	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2 Class A, EN61000-3-3
	EMS immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A
Note	1. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 2. Tolerance : includes set up tolerance, line regulation and load regulation. 3. 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. 4. Derating may be needed under low input voltage. Please check the static characteristics for more details.	

LEDGO BV

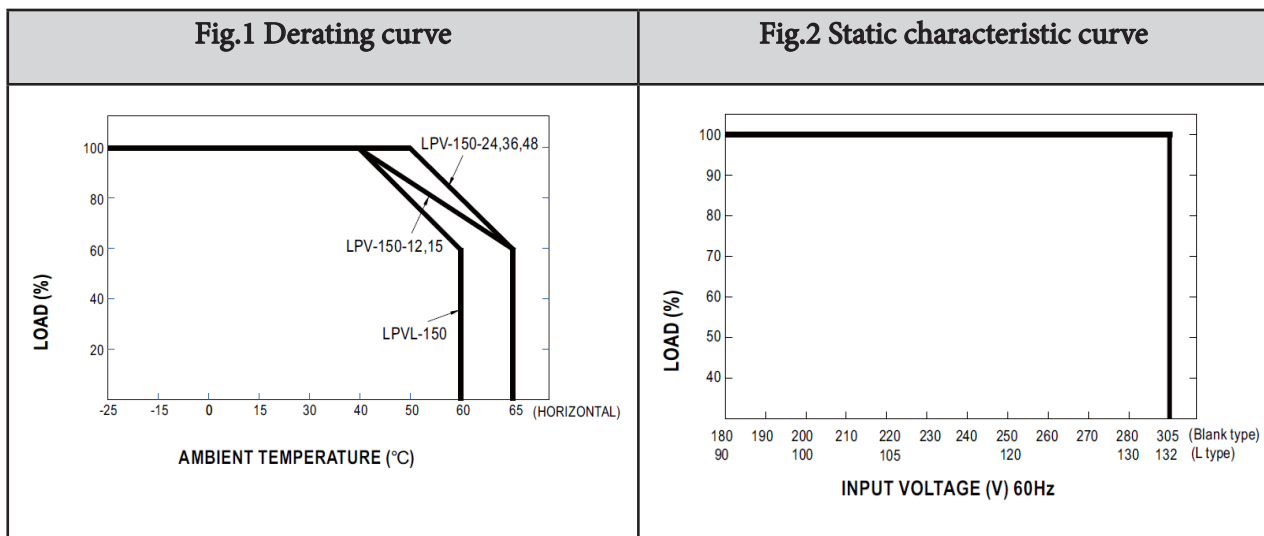
Drieslaan 6 | B-8560 Wevelgem (Moorsele) | Tel +32 (0) 56 424 992
 BTW BE 0824.326.685 | ING IBAN BE47 3630 7083 3480 | BIC BBRUBEBB

4. Block diagram:

PWM fosc : 47KHz



5. Characteristic curve:



LED SGO BV

Drieslaan 6 | B-8560 Wevelgem (Moorsele) | Tel +32 (0) 56 424 992
 BTW BE 0824.326.685 | ING IBAN BE47 3630 7083 3480 | BIC BBRUBEBB