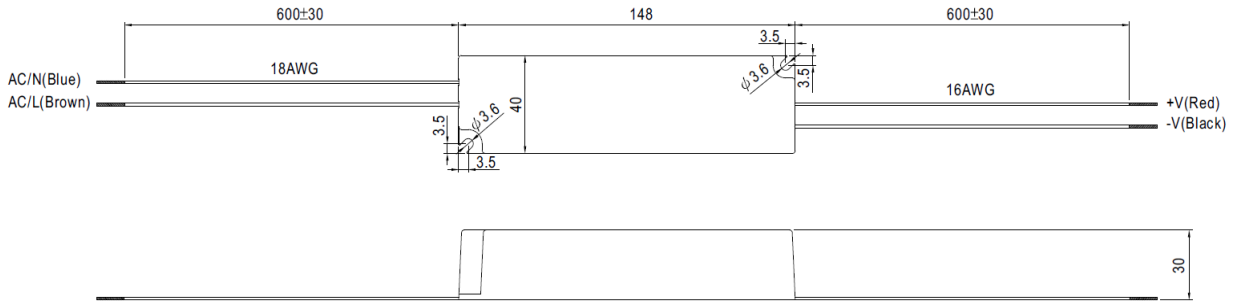
DATASHEET

8 380 67 24 35 - IP67 LED power supply

Product Features

- Constant voltage design
- Universal AC input / full range
- Fully encapsulated with IP67 level
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Overload / Over voltage
- Fully isolated plastic case
- Cooling by free air convention.
- UL1310 Class 2 power unit
- Pass LPS
- 100% full load burn-in test
- Low cost, high reliability
- suitable for LED lighting and moving sign applications
- 2 years warranty

1. Dimension



LPS IP67

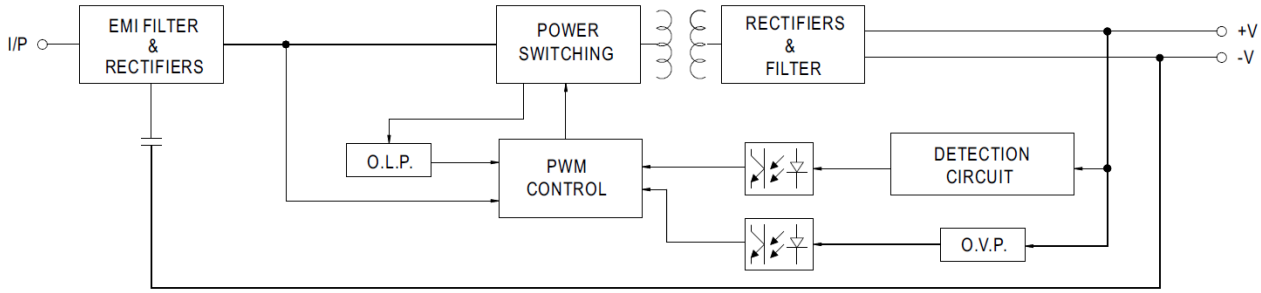
LEDSGO BV
Drieslaan 6 | B-8560 Wevelgem (Moorsele) | Tel +32 (0) 56 424 992
BTW BE 0824.326.685 | ING IBAN BE47 3630 7083 3480 | BIC BBRUBEBB

2. Specifications:

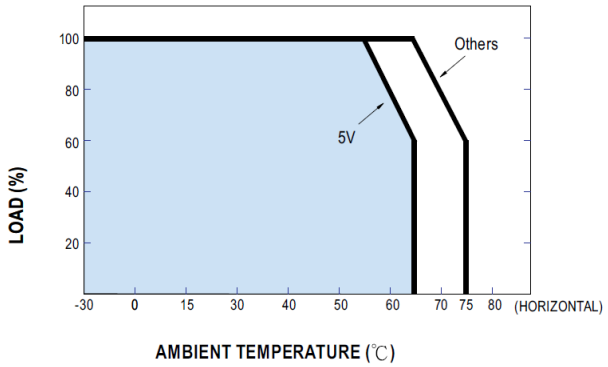
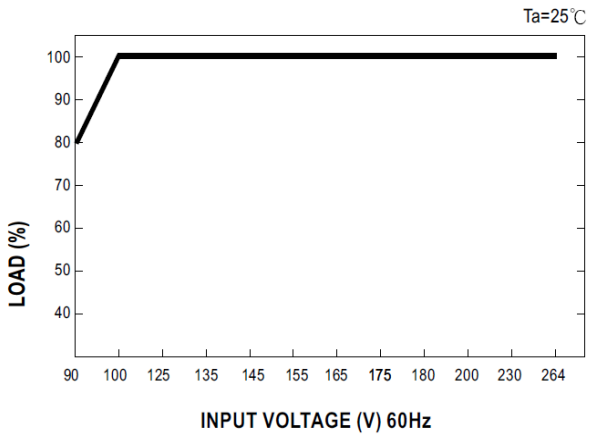
	Parameter	Value
Output	DC voltage	24,0VDC
	Rated current	1,5A
	current range	0-1,5A
	Rated power	36W
	Efficiency (typ.)	85%
	Ripple & noise (max.) Note.1	150mVp-p
	Voltage Tolerance Note.2	±5.0%
	Line regulation	±1.0%
	Load regulation	±2.0%
	Setup, rise time Note.3	500ms, 20ms / 230VAC 500ms, 20ms / 115VAC at full load
	Hold up time (typ.)	50ms/230VAC 16ms / 115VAC at full load
Input	Voltage range Note.4	90~264VAC 127~370VDC
	Frequency range	47~63Hz
	AC current	1.1A/115VAC 0.7A/230VAC
	Inrush current (max.)	Cold start 30A/115VAC 60A/230VAC
	Leakage current	0.25mA / 240VAC
Protection	Over current	110 ~ 150% rated output power
	Over voltage	Protection type : Hiccup mode, recovers automatically after fault condition is removed
Environment	Working temp.	-30 ~ +75°C (Refer to output load 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	UL1310 Class 2, CAN/CSA C22.2 No. 223-M91, IP67 approved ; design refer to TUV EN60950-1, EN61347-2-13
	withstand voltage	I/P-O/P:3KVAC
	isolation resistance	I/P-O/P:>100M Ohms / 500VDC / 25 / 70% RH
	EMI conduction & radiation	Compliance to EN55022 (CISPR22) Class B
	harmonic current	Compliance to EN61000-3-2 Class A, EN61000-3-3
	EMS immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, 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.	

3. Block diagram:

fosc : 65KHz



4. Characteristic curve:

Fig.1 Derating curve	Fig.2 Static characteristic curve
	

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