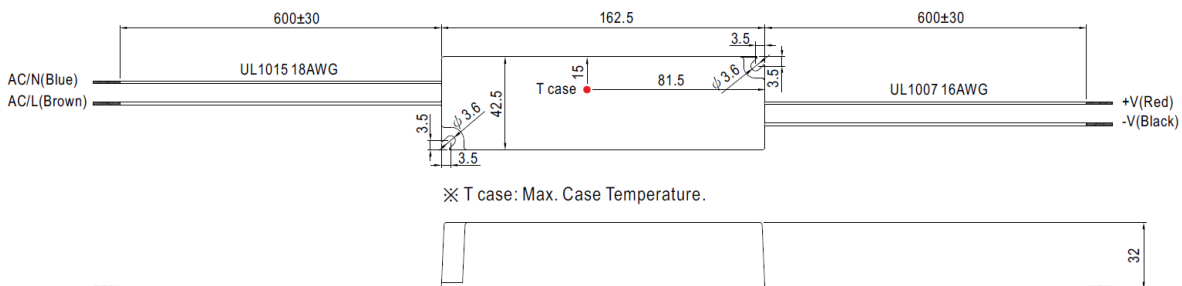


## 8 380 67 24 60 - IP67 LED power supply

### 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 convection.
- 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**

**US**

**CB**


**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:

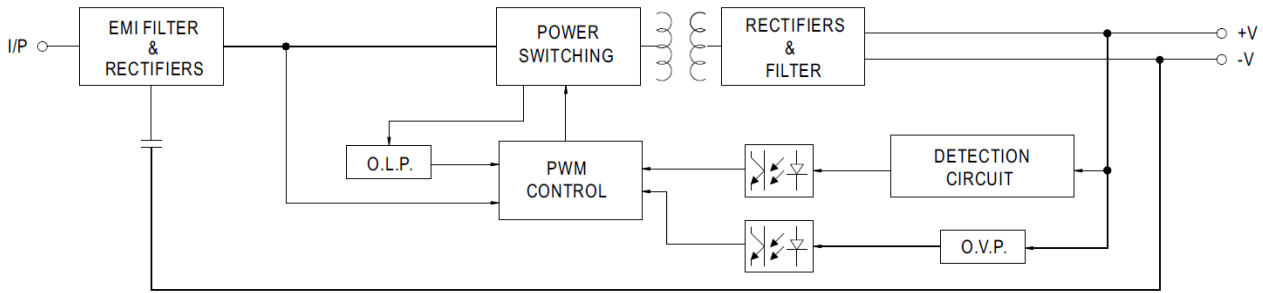
|              | Parameter   | Value   |
|--------------|---|---|
| Output       | DC voltage  | 24,0VDC   |
|              | Rated current   | 2,5A  |
|              | current range   | 0-2,5A  |
|              | Rated power   | 60W   |
|              | Efficiency (typ.)   | 86%   |
|              | 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  | 1.2A/115VAC 1A/230VAC   |
|              | Max. No. of PSUs on 16A circuit breaker   | 3 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 230VAC                                     |
|              | Inrush current (max.)   | Cold start 60A(twidth=525µs measured at 50% Ipeak) at 230VAC  |
|              | Leakage current   | 0.25mA / 240VAC   |
| Protection   | Over load   | 110 ~ 150% rated output power<br>Protection type : Hiccup mode, recovers automatically after fault condition is removed |
|              | Over Voltage  | 27,6~32,4V<br>Protection type: Shut down o/p voltage, re-power on to recover  |
| Environment  | Working temp.   | -30 ~ +70°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  | UL879, UL1310, IP67, IEC60950-1:2005+A2:2013 approved ; design refer to TUV 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         | <p>1. 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>2. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>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.</p> <p>4. Derating may be needed under low input voltage. Please check the static characteristics for more details.</p> |   |

**LED SGO BV**

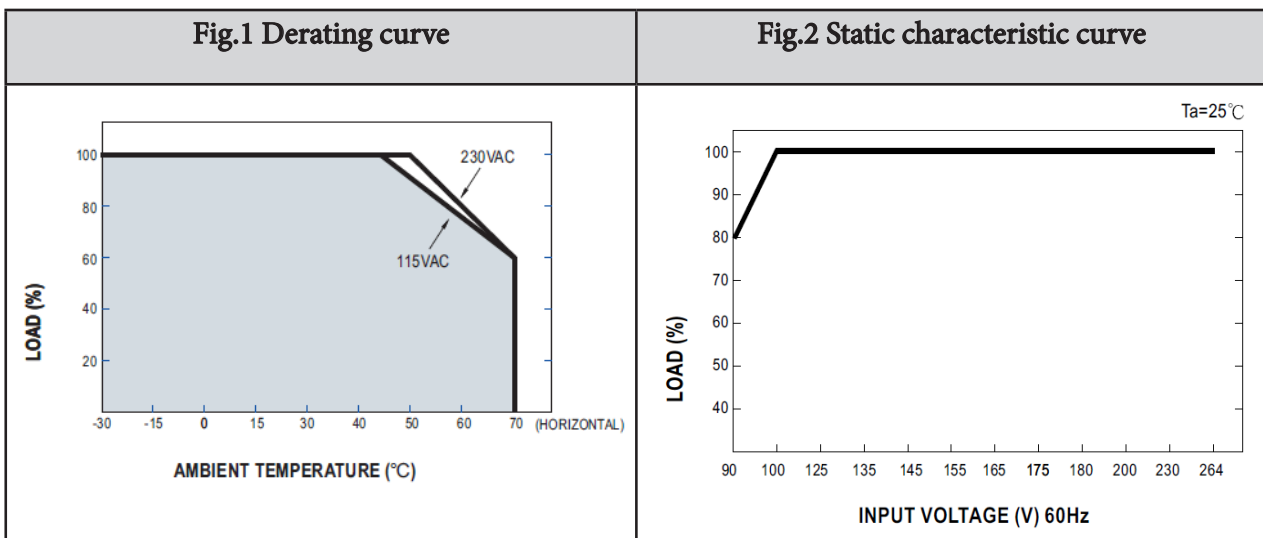
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### 3. Block diagram:

fosc : 65KHz



### 4. Characteristic curve:



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