



- IP67 for indoor & outdoor use
- Compliant to worldwide safety regulations.
- 100% Full burn in test
- Highly efficient LED driver
- Overload / Over temp. / Short circuit / Over voltage protection, recover automatically.
- Suitable for internal lights application for I/II/III
- Up to 50000-hour lifetime.



CE SELV IP67



MODEL NUMBER		YG-1000C-12-60	YG-1000C-24-60
OUTPUT	Output voltage	12VDC	24VDC
	Output voltage range	12VDC±0.5VDC	24VDC±0.5VDC
	Output Current	Max 5A	Max 2.5A
	Output power	Max 60W	
	Output power range	0~60W	
	Ripple & Noise	≤120mV	≤240mV
	Load regulation	+/- 1%	
	Start-up time	600ms/230VAC ~ 800ms/115VAC	
	Hold-up time	100ms/230VAC ~ 100ms/115VAC	

SAFETY & EMC	Withstand voltage	I/P-O/P: 3750Vac
	Isolation resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH
	Safety standards	IEC/EN61347-1, IEC/EN60950, IP67
	EMC emission	EN55015, EN61000-3-2 Class C, IEC61000-3-3
	EMC immunity	EN61000-4-2,3,4,5,6,8,11 EN61547



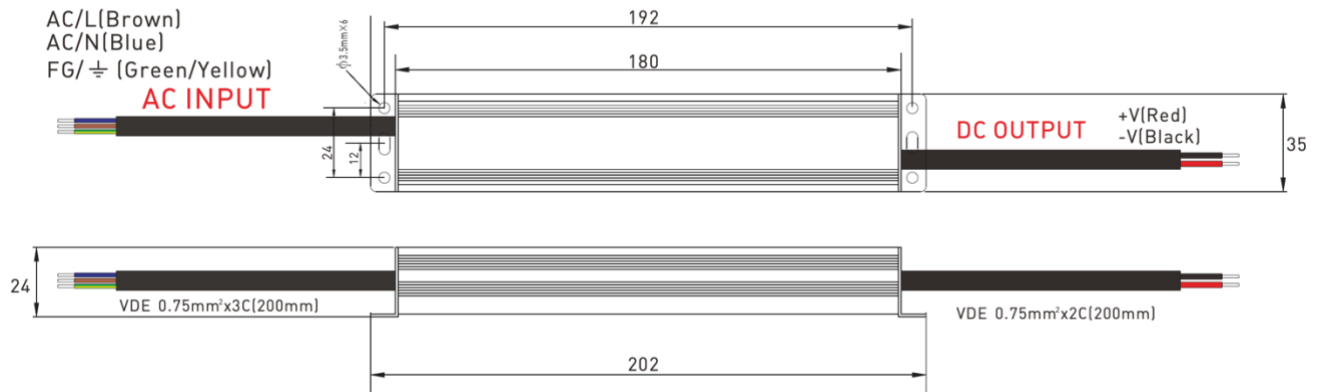
INPUT	Input voltage	100 ~ 264 VAC	
	Input frequency	50/60 HZ	
	Input current	0.52 @ 230 VAC	0.92 @ 115VAC
	Power factor	PF>0.6	
	No load consumption	Less than 3w	
	Efficiency (typ.)	84%	86%
	Inrush current(typ.)	Cold start: 50A/230V	
	Control surge capability	L-N:2KV L,N-PE4KV	
	Leakage current	Max.0.5mA	

ENVIROMENT	Working temperature	ta: -30°C ~ 50°C tc: 80°C
	Working humidity	20 ~ 99%RH, condensing (Waterproof)
	Storage temp., humidity	-40°C ~ 80°C, 10~95%RH
	Vibration	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes.

PROTECTION	Overtemperature	Protection type: Shut down o/p voltage, re-power on to recover
	Overload protection	Shut down the output when current load $\geq 110\%$, auto recovers.
	Short circuit protection	Protection type: it can be automatically restored after the fault is eliminated.
	Notes	<p>All parameters not specifically mentioned are measured at 230 VAC @ 25 degrees ambient.</p> <p>Ripple noise test method: connect 0.1uF and 47uF capacitor in parallel at terminal, and ,measure under 20MHZ bandwidth</p>

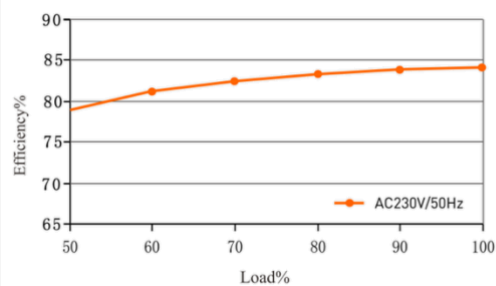


PRODUCT DIMENSIONS / WIRING DIAGRAM:

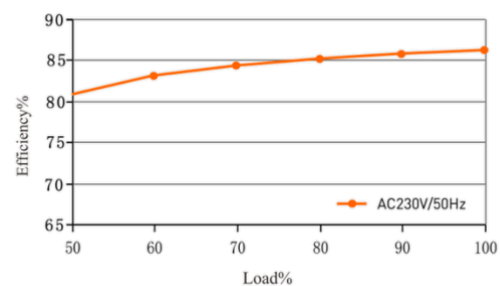


EFFICIENCY / LOAD DIAGRAM:

YG-1000C-12-60



YG-1000C-24-60



**WARNING:**

1. Only qualified electricians should install this LED driver in accordance with local and national electrical codes
2. If the power supply has visible damaged, please do not install and contact Yellow & Grey LTD immediately
3. This product requires a high voltage input. Risk of electric shock. Turn off all power sources before installation maintenance, or servicing.
4. Risk of fire. Do not install in locations with limited ventilation, or near flammable materials.
5. Ensure all connections are secure. Loose connections can cause overheating, damage, or fire.
6. Install in an environment within the specified operating temperature range (e.g., -10°C to 45°C). Exceeding this range may cause malfunction, reduce lifespan, or create a hazard.
7. Incorrect wiring can cause permanent damage to the driver and LEDs. Follow wiring diagrams precisely
8. Ensure polarity (positive and negative connections) is correct. Reversing connections can damage LEDs or the driver.
9. Do not exceed the maximum load specified on the driver. Overloading can cause overheating, damage, or fire
10. Ensure proper grounding for safety and to prevent electrical shock. This driver must be grounded in accordance with local and national electrical codes.
11. This driver may produce flicker at certain dimming levels. Ensure compatibility with sensitive environments and consult the product specifications for details on flicker characteristics.
12. To avoid potential health effects from flicker, especially in environments with vulnerable individuals, install drivers and LEDs according to IEEE 1789 recommendations where applicable.
13. Turn off power to the driver before servicing, repairing, or inspecting the installation to avoid electric shock.
14. Only use manufacturer-approved replacement parts. Substituting parts can impair safety and void warranties.
15. Periodically inspect connections and the driver housing for damage. If damaged, disconnect power and replace immediately.
16. This driver is designed for use only with compatible LED lights as specified. Using incompatible lights may result in poor performance, overheating, or damage
17. Operating outside the rated voltage range or other specified conditions may void warranty and create safety risks