



Product Description:

- Smaller dimensions to better fit in low profile signs
- 1/2" NPT threaded connector on AC side to simplify electrical wiring
- Universal input voltage
- Compliant with FCC
- Complies with CLASS C according to EN 61000-3-2
- Suitable for emergency installation according to EN 50712
- 5 Year Limited Warranty
- Nominal lifetime 50,000 h. (at 230Vac, full load, Tc 75°C)
- Failure rate at 0.44% per 1000 hours



12V DC



5 YEAR WARRANTY

Properties:

- Small design
- Low power loss
- SELV
- Metal casing, encapsulated
- Surge, over-current, over-voltage, over-temperature and short-circuit protections
- IP67 rated, UL certified for use in dry and damp locations



ORDERING GUIDE

Type	PS12-60W-GC
Article Number	28000509AN
Packaging Carton	10 pc(s).
Weight per pc.	1.1 lb (0.5 kg)
Carton Dimensions	14.57 x 12.44 x 4.72 in. 370 x 316 x 120 mm
Carton Weight	12.6 lb (5.7 kg)

SPECIFIC TECHNICAL DATA

Type	PS12-60W-GC
Max. Casing Temp Tc	194° F (90° C)
Output Voltage	12 V
Max. Input Power	83 W
Output Current Range	0 - 5.0 A
Max Output Voltage	13.2 V

STANDARD COMPLIANCE

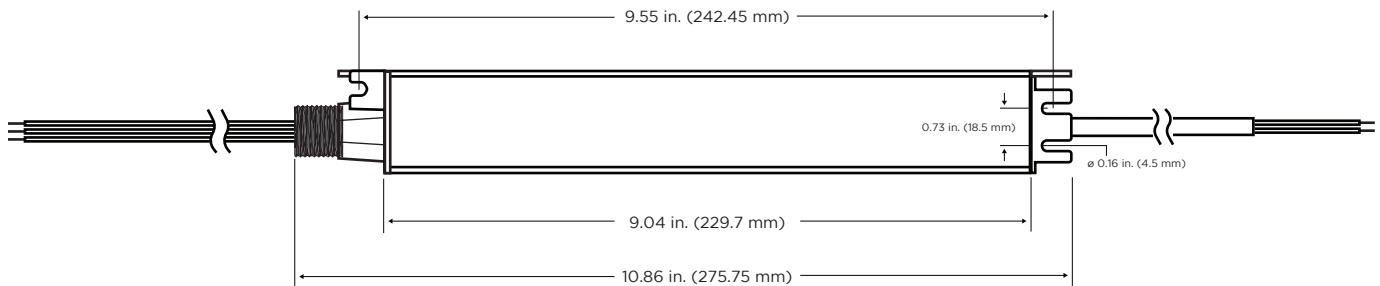
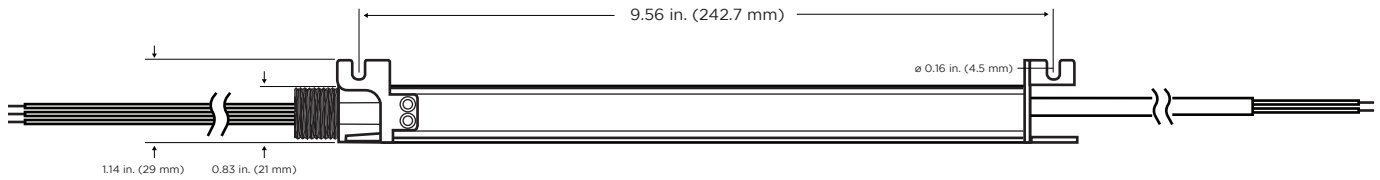
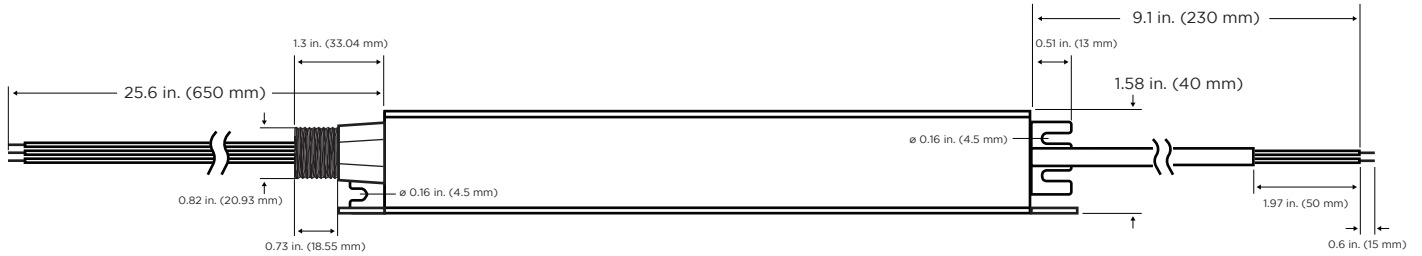
Safety	Safety Standards
Certifications	UL879, MM, CLASS2, CE, RoSH, FCC

TECHNICAL DATA

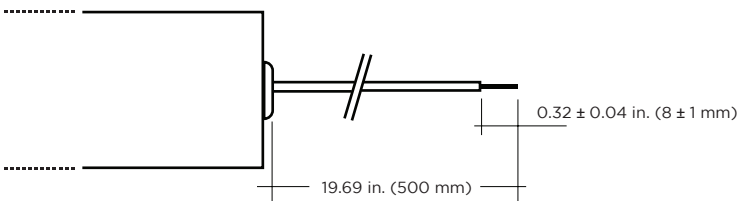
Rated Supply Voltage	100 - 277 VAC
Input Voltage, AC	90 - 305 VAC
Input Voltage, DC	176 - 288 VDC
Rated Current at 100V Full Load	0.83 A
Mains Frequency	47 - 63 Hz
Efficiency (at 230 V, 50 Hz, full load)	> 85%
λ (at 230 V, 50 Hz, full load)	0.97
THD	< 20%
Output Voltage Tolerance	-0 / +10 %
No Load Power	0.5 W
Output Power (ta ≤ 60°C)	60 W
Output Power Range	0 - 60 W
Inrush Current	50 A
Turn On Time (Output)	≤ 0.5 s
Hold on Time at Power Failure (Output)	10 ms
Ambient Temperature Ta	-40° — +140° F (-40 ~ +60° C)
Storage Temperature Ts	-40° — +185° F (-40 ~ +85° C)
Dimensions (L x W x H)	10.86 x 1.58 x 1.14 in. (275.75 x 40 x 29 mm)
Hole Spacing	9.56 x 0.73 in. (242.71 x 18.5 mm)



DIMENSION DRAWINGS

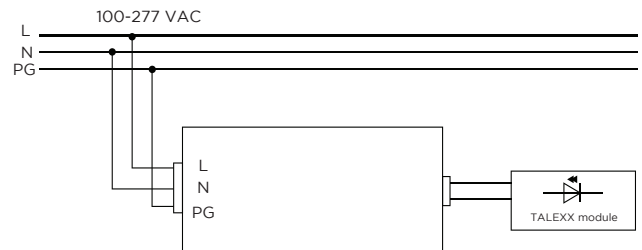


CONNECTION



Primary Cable			Secondary Cable	
L	N	PG	+	-
brown	blue	green/yellow	red	black

WIRING DIAGRAM



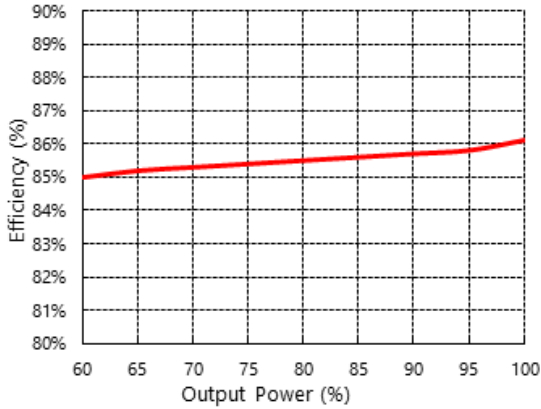
Installation instructions

The switching of LEDs on secondary side is not permitted. A proper functioning of the LCU in combination with third party dimming devices (e.g. PWM) cannot be guaranteed.

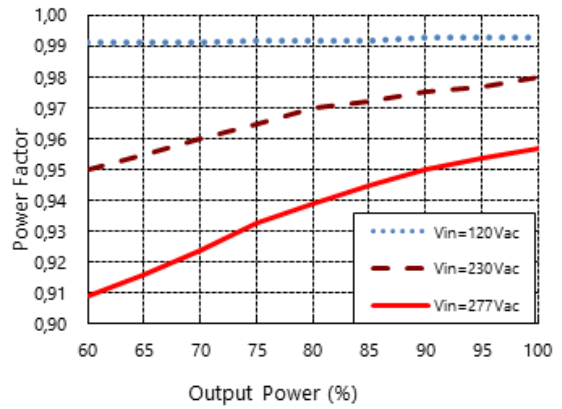


PERFORMANCE CURVE

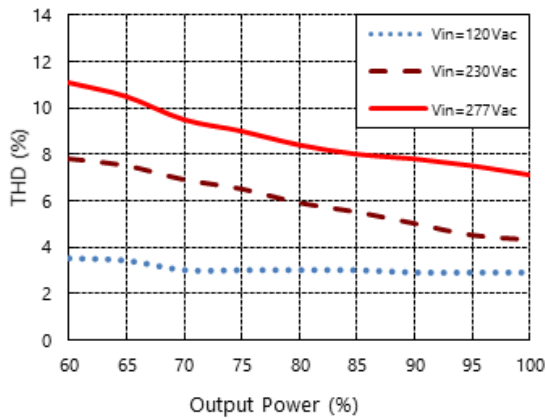
Efficiency vs Output Power



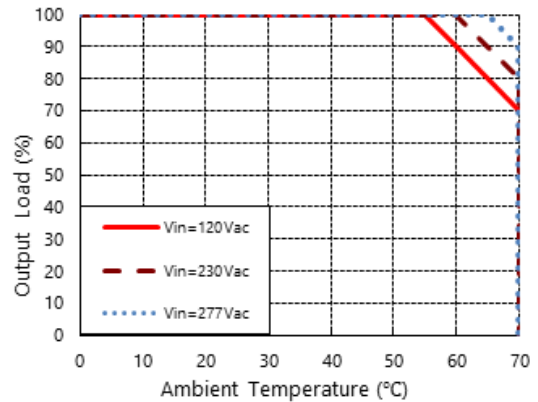
Power factor vs Output Power



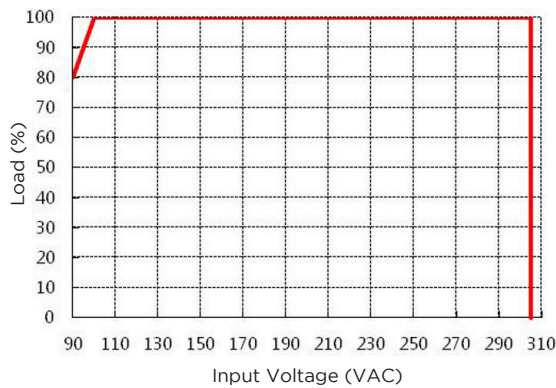
THD vs Output Power



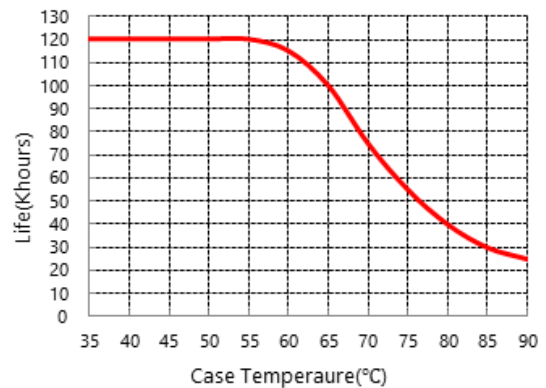
Output Power vs Ambient Temperature



Static Curve



Lifetime vs Case Temperature



1. The maximum case temperature Tc shall not exceed 194 °F (90°C) when used in end product.
2. These products are intended to be connect to a max. 20A branch circuit.
3. These products are intended for use in dry and damp locations.
4. Required spacing between power supply according UL48.