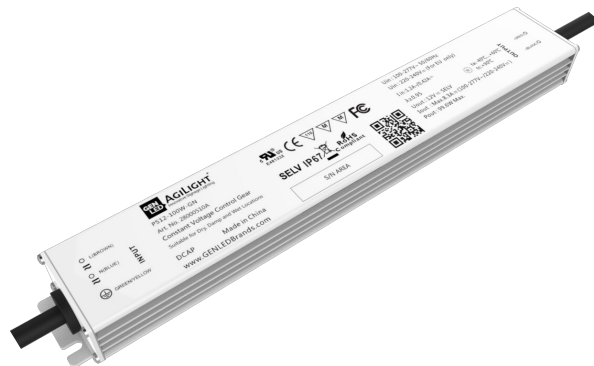




Product Description:

- Constant voltage LED power supply
- Universal input voltage range
- Constant output voltage
- Connection: Cable with end sleeves (length approx. 500 mm)
- Polarity identifiers, secondary + red / - black
- Metal casing, encapsulated
- Nominal life-time up to 60,000 hrs. (at Ta 75 °C with a failure rate max. 0.4 % per 1000 hrs.)
- 5 Year Limited Warranty
- Suitable for emergency installations according to EN 50172
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2



Properties:

- Small design
- High efficiency and low power loss
- Overtemperature protection with automatic restart, overload protection, short-circuit protection with automatic restart
- SELV
- Type of protection: IP67
- Metal casing, encapsulated



STANDARD COMPLIANCE

Safety Certifications	Safety Standards
UL879, MM, CE, RoSH, FCC, CLASS 1	

ORDERING GUIDE

Type	PS12-100W-GN
Article Number	28000510A
Packaging Carton	10 pc(s).
Weight per pc.	1.5 lb (0.66 kg)
Carton Dimensions	13.2 x 12.8 x 3.74 in. (335 x 325 x 95 mm)
Gross Weight	16.76 lb (7.6 kg)

SPECIFIC TECHNICAL DATA

Type	PS12-100W-GN
Max. Casing Temp Tc	194° F (90° C)
Output Voltage	12 V
Max. Input Power	120 W
Output Current Range	0 - 8.33 A
Max. Output Voltage	13.2 V

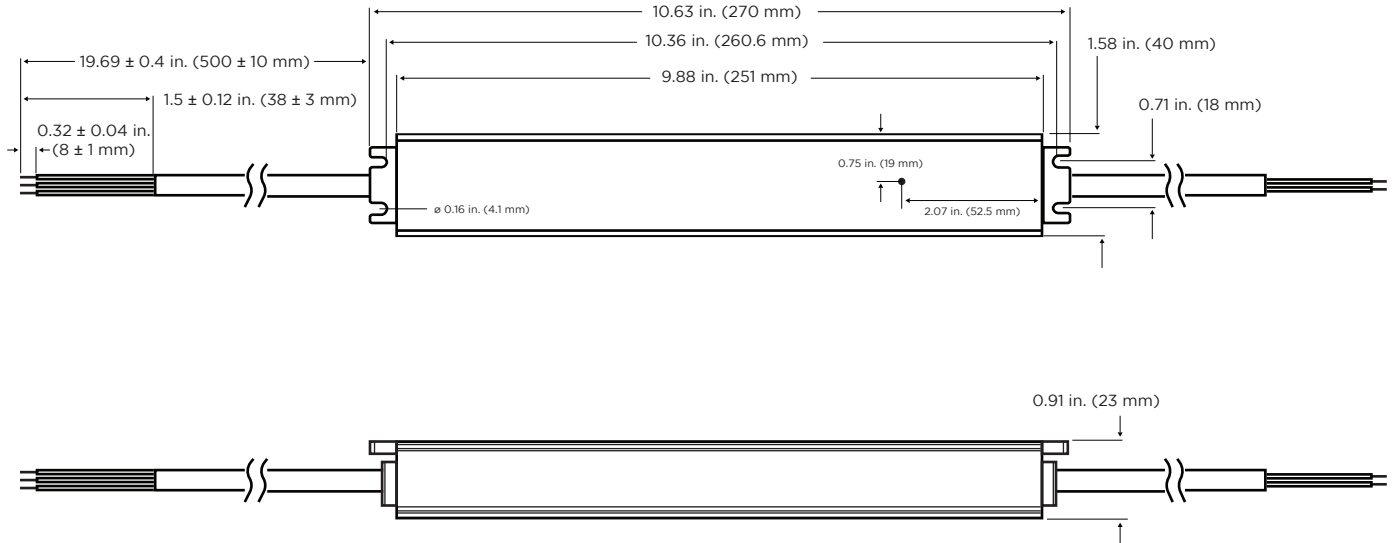
TECHNICAL DATA

Rated Supply Voltage	100 - 277 VAC
Input Voltage, AC	90 - 305 VAC
Input Voltage, DC	176 - 288 VDC
Max. Current Input	1.2 A @ 100 VAC
Frequency Range	47 - 63 Hz
Efficiency (at 230 V, 50 Hz, full load)	> 90%
λ (at 230 V, 50 Hz, full load)	0.97
Output Voltage Tolerance	-0 / +10 %
THD	< 20%
Output Power (Ta ≤ 60° C)	100 W
Output Power Range	0 - 100 W
No Load Power	0.5 W
Inrush Current	100 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)	10.63 x 1.58 x 0.91 in. (270 x 40 x 23 mm)
Hole Spacing	10.36 x 0.7 in. (260.6 x 18 mm)

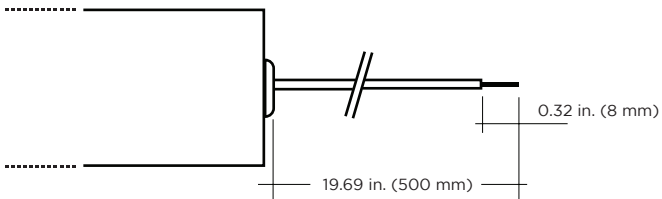
REV: 01MAR2021
Data sheet subject to change without notice.



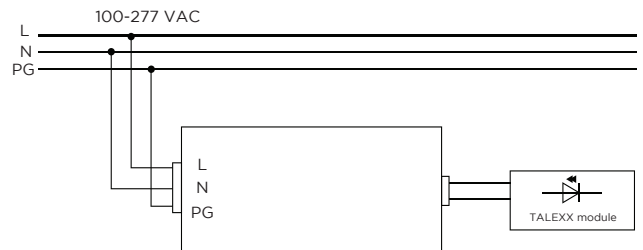
DIMENSION DRAWINGS



CONNECTION



WIRING DIAGRAM



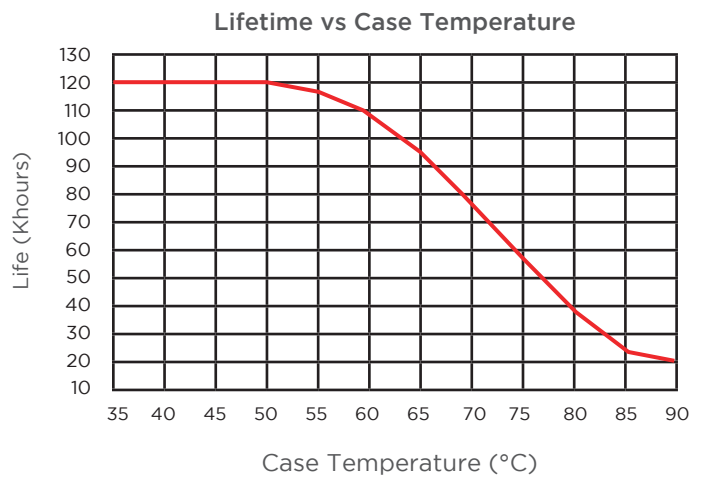
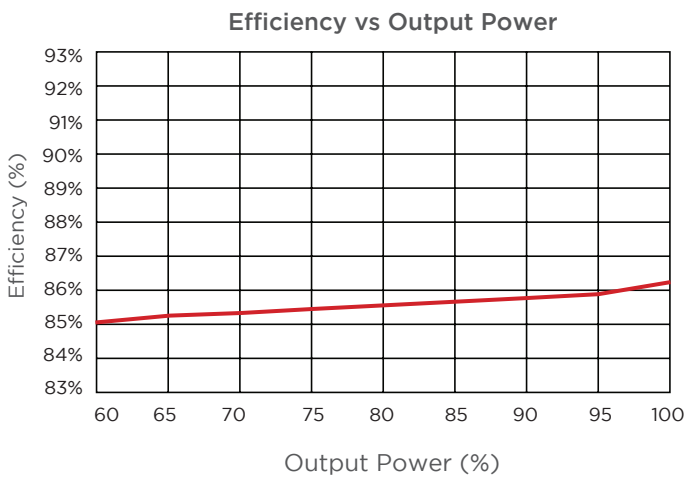
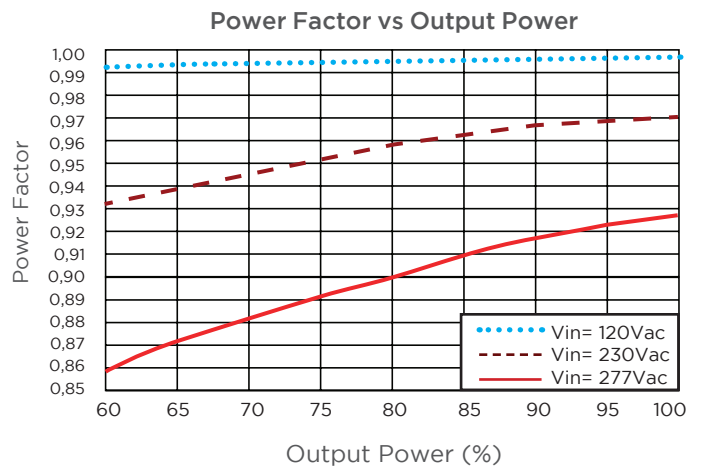
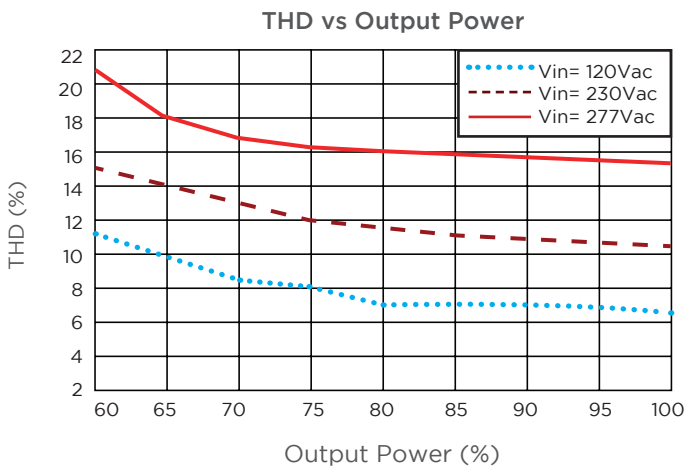
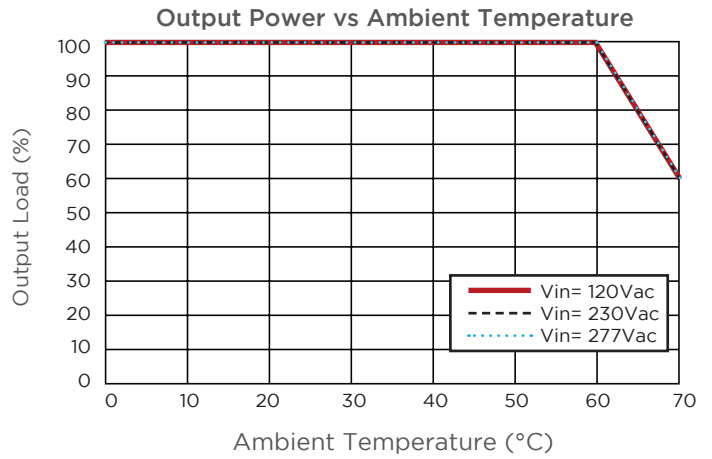
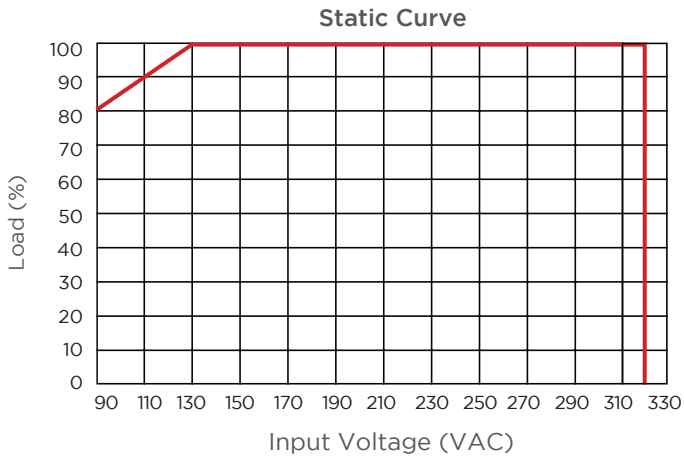
Primary Cable			Secondary Cable	
L	N	PG	+	-
brown	blue	green/yellow	red	black

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



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.