



Product Description:

- Constant voltage LED power supply
- Universal input voltage range
- Constant output voltage
- 0.5" NPT threaded connector on AC input and extra-long cable
- Polarity identifiers, secondary + red / - black
- Metal casing, encapsulated
- Nominal life-time up to 70,000 hours (at Ta 50°C with a failure rate max. 0.4 % per 1000 hours)
- 7-year guarantee
- 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:

- High efficiency
- Overtemperature protection, overload protection, and short-circuit shutdown feature w/automatic restart
- OVP, OCP, OTP and surge protection
- SELV
- Type of protection: IP68
- Metal casing, encapsulated, painting white



ORDERING GUIDE

Type	PS12-180W-3-GN
Article Number	28000515A
Packaging Carton	10 pc(s).
Package Dimensions (L x W x L)	12.6 x 3.94 x 1.77 in. (320 x 100 x 45 mm)
Weight per pc.	3.3 lb (1.35 kg)
Carton Dimensions (L x W x L)	20.28 x 13.19 x 4.33 in. (515 x 335 x 110 mm)
Carton Weight	32 lb (14.5 kg)

SPECIFIC TECHNICAL DATA

Type	PS12-180W-3-GN
Max. Casing Temp T _c	203° F (95° C)
Output Voltage	12 V
Max. Input Power	200 W
Output Current Range	0-5 A x 3 Channels
Max. Output Voltage	13.2 V

STANDARD COMPLIANCE

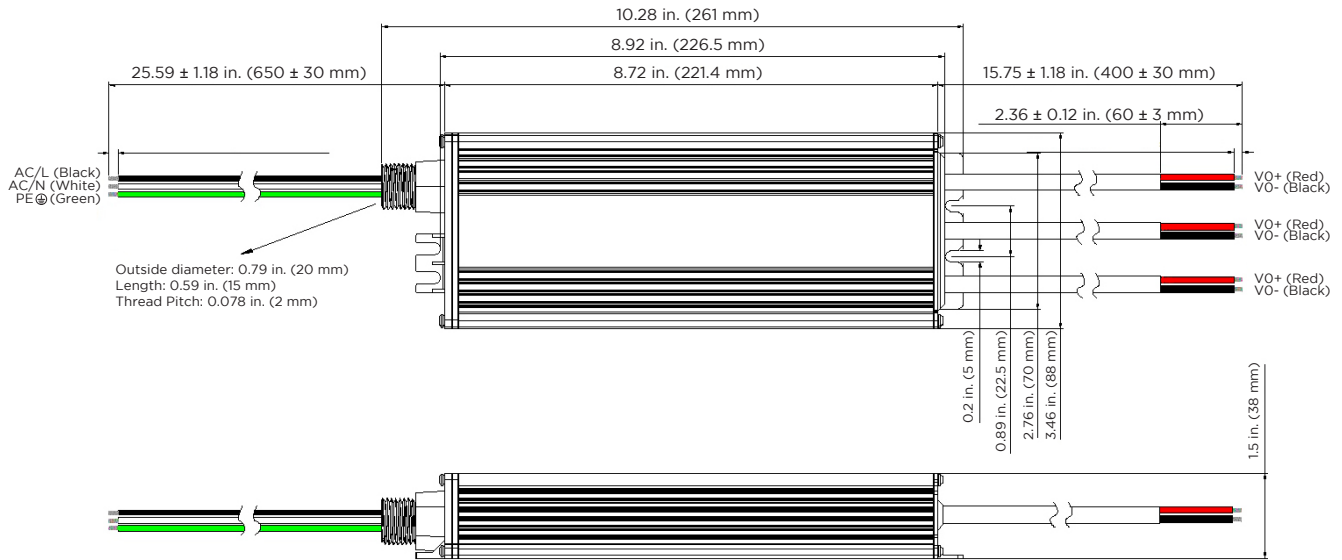
Safety	Safety Standards
Certifications	UYMR2, CE, RoHS, FCC

TECHNICAL DATA

Rated Supply Voltage	100-277 VAC
Input Voltage, AC	90-305 VAC
Input Voltage, DC	200-240 VDC
Max input current	2.5 A
Mains Frequency	0 / 50 / 60 Hz
Efficiency (at 230 V, 50 Hz, full load)	≥ 92%
λ (at 230 V, 50 Hz, full load)	0.95
THD	< 20%
Output Voltage Tolerance	-/+ 5%
Output Power (T _a ≤ 60° C)	60 W x 3 Channels
Output Power Range	0 - 180 W
No Load Power	
Inrush Current (cold start 230VAC/50Hz)	< 100 A
Turn On Time (Output)	> 0.5 s
Hold on Time at Power Failure (Output)	10 ms
Ambient Temperature T _a	-40° — +140° F (-40 ~ +60° C)
Ambient Temperature T _a (at life-time 70,000 hrs)	-40° — +122° F (-40 ~ +50° C)
Storage Temperature T _s	-40° — +176° F (-40 ~ +80° C)
Dimensions (L x W x H)	10.28 x 3.46 x 1.5 in. (261 x 88 x 38 mm)

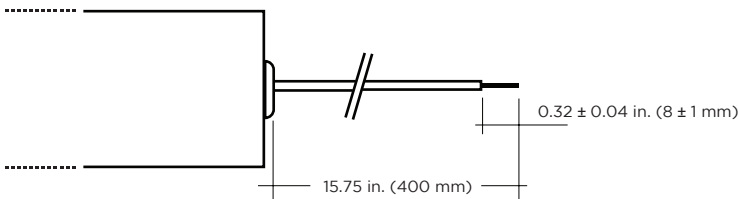


DIMENSION DRAWINGS

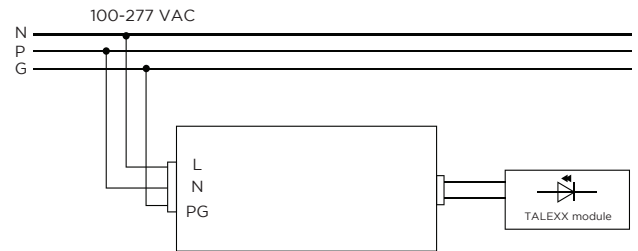


Note: UL 48 and LED power supplies shall be at least 1 inch (25.4 mm) from end to end and spacings between transformers, ballasts, neon power supplies and LED power supplies shall be at least 1 inch (25.4 mm) from end to end and 4 inches (101.6 mm) from side to side.

CONNECTION



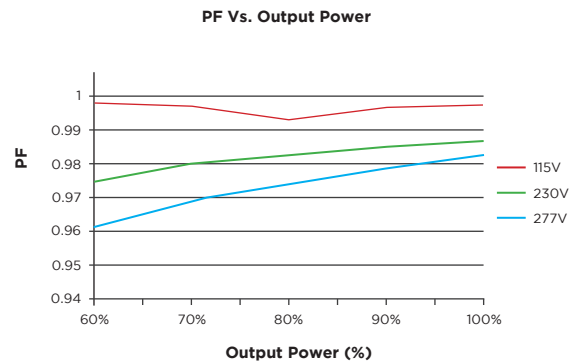
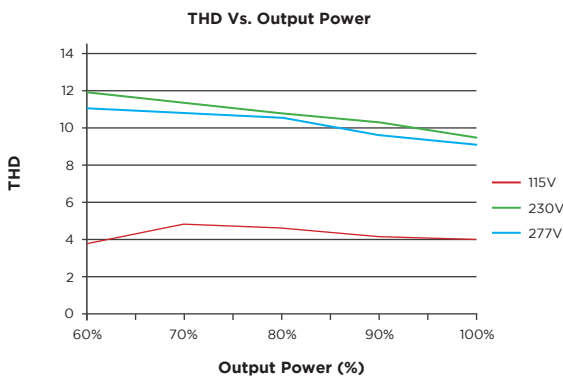
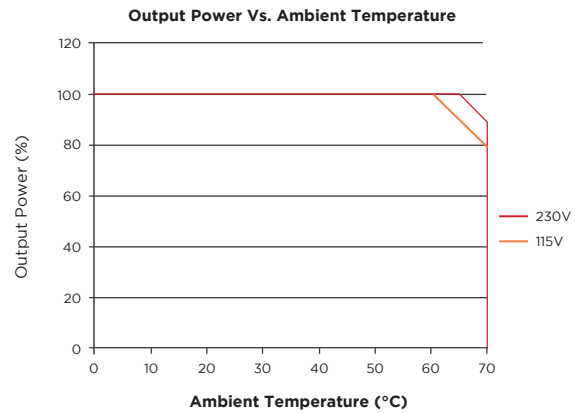
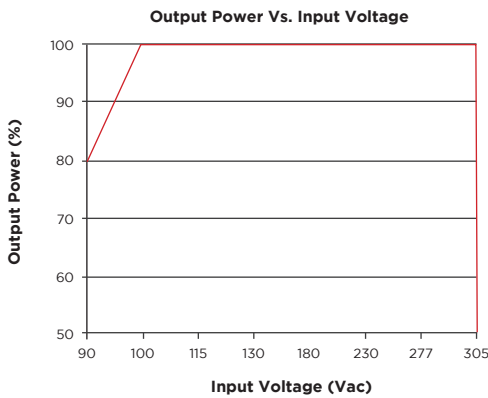
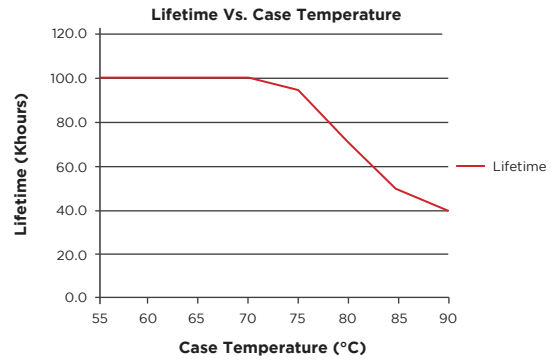
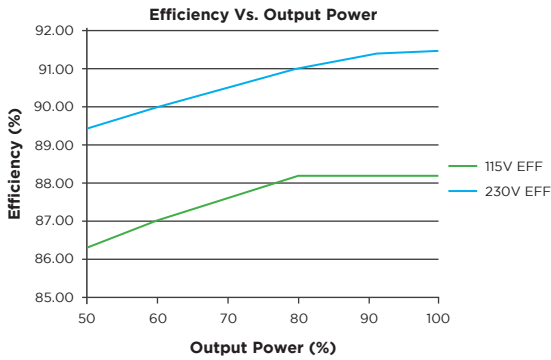
WIRING DIAGRAM



Primary Cable			Secondary Cable	
L	N	PG	+	-
black	white	green	red	black



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 connected to a max. 20 A branch circuit.
3. These products are intended for use in dry and damp locations.
4. **Required spacing between power supply according UL48.**