



Product Description:

- Constant voltage LED power supply
- Universal input voltage range
- Constant output voltage
- Connection cable with stripped cable end (length approx. 350 mm)
- Failure rate at 0.27% per 1000 hours
- Polarity identifiers, secondary + red / - black
- Color white
- Nominal lifetime >70,000 h (at 230Vac, full load, Tc: 80°C)
- 7-year guarantee (for Tc: 80°C)
- Suitable for emergency installation according EN 50172

Properties:

- Small design
- Low power loss
- 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 | PS24-60W-GN |
| Article Number | 28000512A |
| Packaging Carton | 25 pc(s). |
| Package Dimensions (L x W x L) | 9.84 x 2.95 x 1.49 in. (250 x 75 x 38 mm) |
| Weight per pc. | 1.1 lb (0.5 kg) |
| Carton Dimensions (L x W x L) | 15.35 x 10.43 x 8.66 in. (390 x 265 x 220 mm) |
| Carton Weight | 29.76 lb (13.5 kg) |

SPECIFIC TECHNICAL DATA

| | |
|---------------------------------|----------------|
| Type | PS24-60W-GN |
| Max. Casing Temp T _c | 194° F (90° C) |
| Output Voltage | 24.7 V |
| Max. Input Power | 80 W |
| Output Current Range | 0-2.5 A |
| Max. Output Voltage | 24.94 V |

STANDARD COMPLIANCE

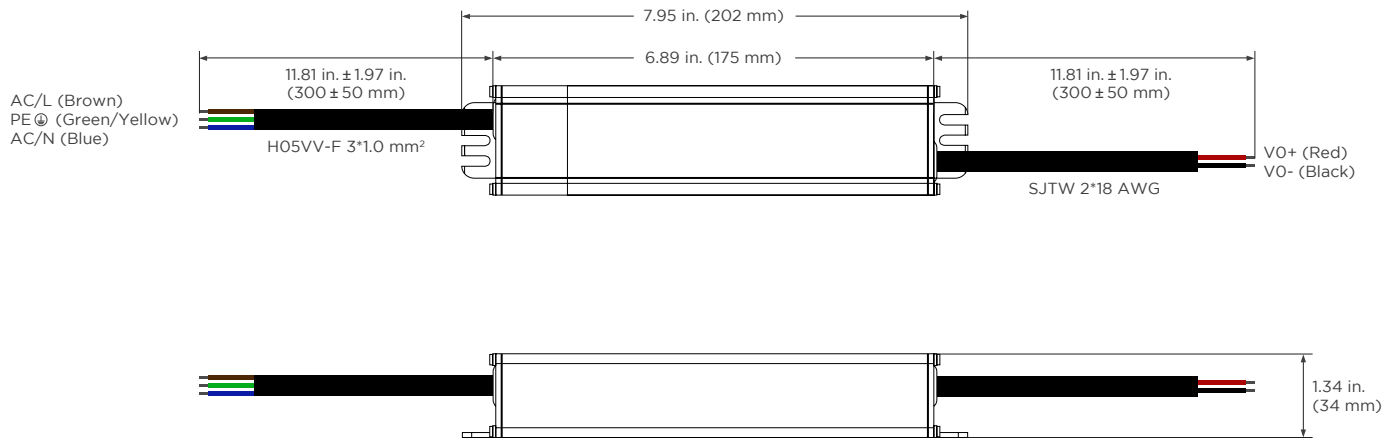
| Safety | Safety Standards |
|----------------|-----------------------------------|
| Certifications | UL879, CLASS 2, CE, RoHS, FCC, MM |

TECHNICAL DATA

| | |
|---|---|
| Rated Supply Voltage | 100-277 VAC |
| Input Voltage, AC | 90-305 VAC |
| Input Voltage, DC | 200-240 VDC |
| Max input current | 0.8 A @ 100 VAC |
| Mains Frequency | 47 - 63 Hz |
| Efficiency (at 230 V, 50 Hz, full load) | 85% |
| λ (at 230 V, 50 Hz, full load) | > 0.90 |
| THD | < 20% |
| Output Voltage Tolerance | 240 mV |
| Output Power (T _a ≤ 60° C) | 60 W |
| Output Power Range | 0 - 60 W |
| No Load Power | > 0.5 W |
| Inrush Current | < 50 A |
| Turn On Time (Output) | ≤ 0.3 s |
| Hold on Time at Power Failure (Output) | 10 ms |
| Ambient Temperature T _a | -40° — +140° F (-40 ~ +60° C) |
| Storage Temperature T _s | -40° — +176° F (-40 ~ +80° C) |
| Dimensions (L x W x H) | 7.95 x 1.73 x 1.34 in. (202 x 44 x 34 mm) |

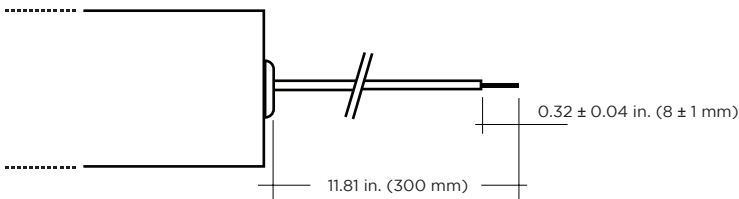


DIMENSION DRAWINGS

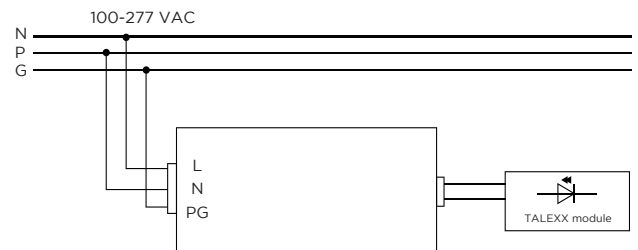


Note: UL 48 and LED power supplies shall be at least 1 inch (25.4 mm) from end to end and spacings between transformers, ballasts, neon power supplies and LED power supplies shall be at least 1 inch (25.4 mm) from end to end and 4 inches (101.6 mm) from side to side.

CONNECTION



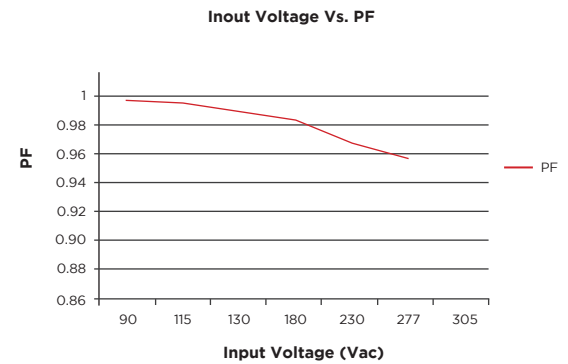
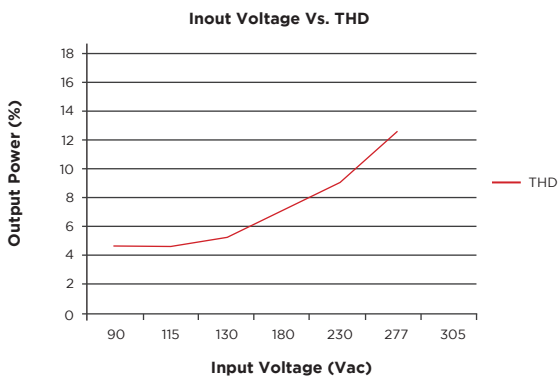
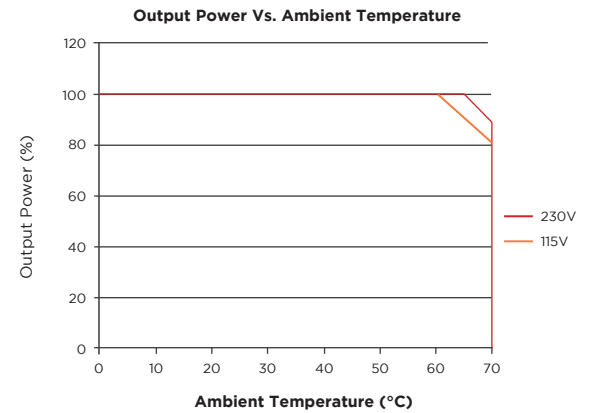
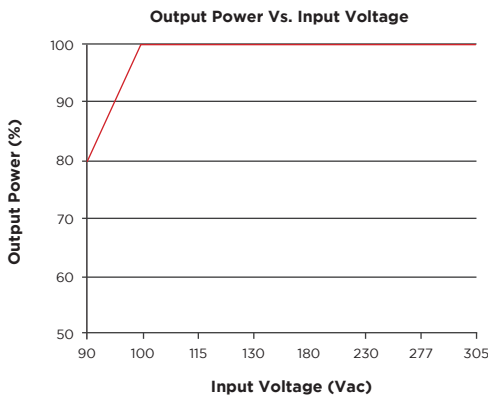
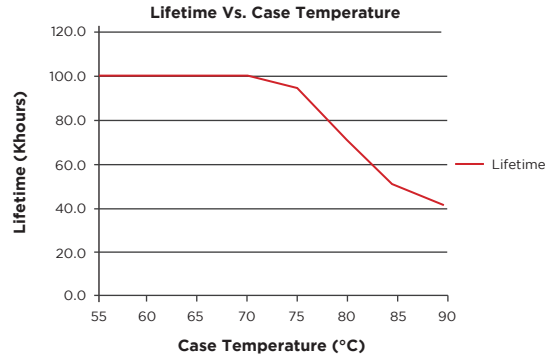
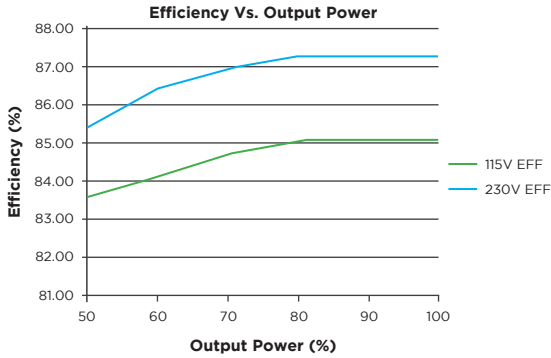
WIRING DIAGRAM



| Primary Cable | | | Secondary Cable | |
|---------------|------|--------------|-----------------|-------|
| L | N | PG | + | - |
| brown | blue | green/yellow | 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.**