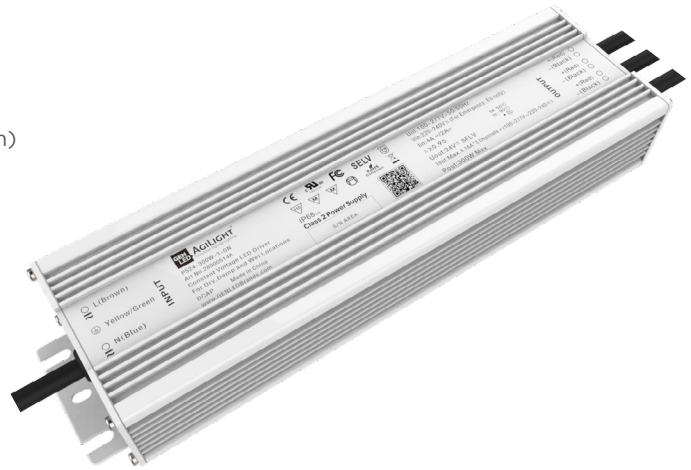


Product Description:

- 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 0.48% 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 | PS24-300W-3-GN |
| Article Number | 28000514A |
| 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 (1.5 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 | 35.27 lb (16 kg) |

SPECIFIC TECHNICAL DATA

| | |
|---------------------------------|-----------------------|
| Type | PS24-300W-3-GN |
| Max. Casing Temp T _c | 194° F (90° C) |
| Output Voltage | 24.7 V |
| Max. Input Power | 400 W |
| Output Current Range | 0-4.16 A x 3 Channels |
| Max. Output Voltage | 24.94 V |

STANDARD COMPLIANCE

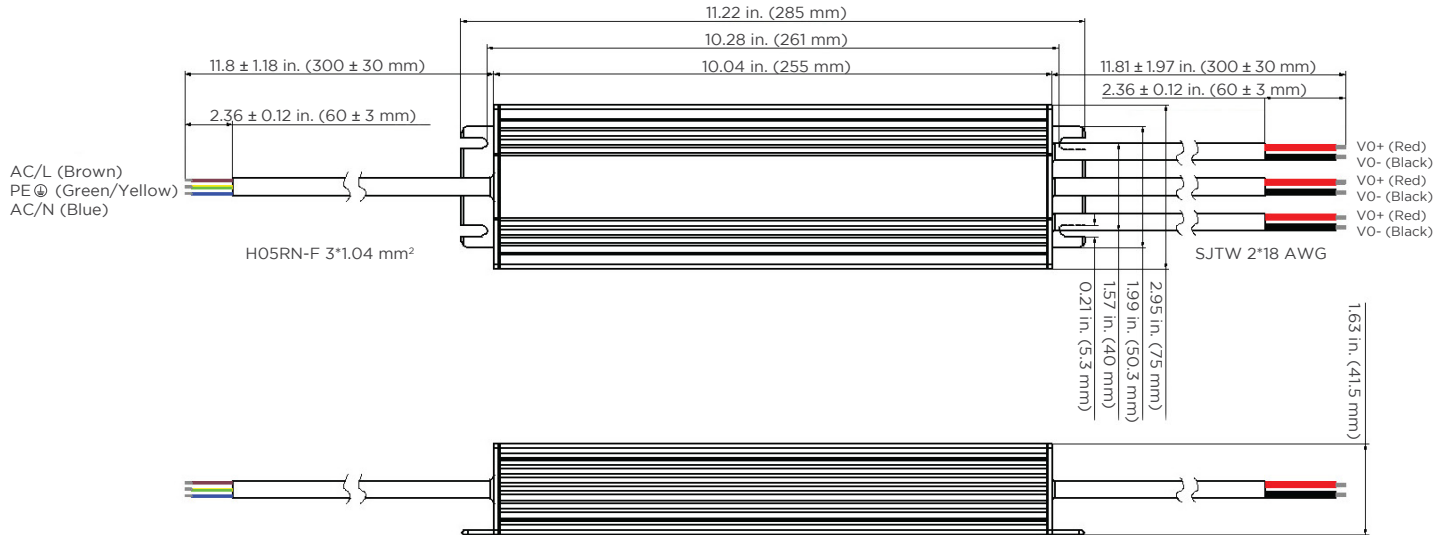
| | |
|-----------------------|----------------------------------|
| Safety | Safety Standards |
| Certifications | UL879, CLASS2, CE, RoHS, FCC, MM |

TECHNICAL DATA

| | |
|---|--|
| Rated Supply Voltage | 100-277 VAC |
| Input Voltage, AC | 90-305 VAC |
| Input Voltage, DC | 200-240 VDC |
| Max input current | 4 A @ 100 VAC |
| Mains Frequency | 47 - 63 Hz |
| Efficiency (at 230 V, 50 Hz, full load) | ≥ 91% |
| λ (at 230 V, 50 Hz, full load) | > 0.95 |
| THD | < 20% |
| Output Voltage Tolerance | 250 mV |
| Output Power (T _a ≤ 60° C) | 100 W x 3 Channels |
| Output Power Range | 0 - 300 W |
| No Load Power | > 0.5 W |
| Inrush Current | 120 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) |
| Storage Temperature T _s | -40° — +176° F (-40 ~ +80° C) |
| Dimensions (L x W x H) | 11.22 x 2.95 x 1.63 in. (285 x 75 x 41.5 mm) |

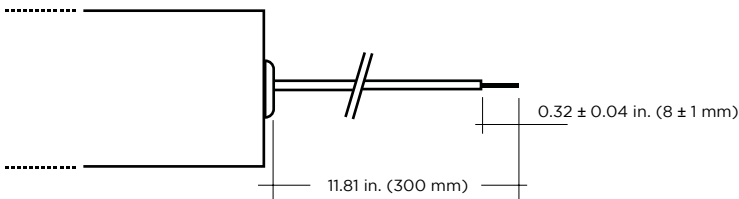


DIMENSION DRAWINGS

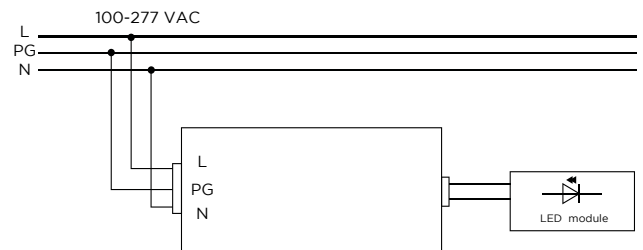


NOTE: To prevent exposure to the maximum allowable temperatures for these drivers, the suggested installation spacing between drivers is at least 4 in. (101.6 mm) side-to-side when the distance to the sidewall and top of the enclosure is 2 in. (50.8 mm). When the distance to the sidewall and top of the enclosure is 6 in. (152.4 mm), maintain at least 2 in. (50.8 mm) side-to-side spacing between drivers. Drivers should be placed at a minimum of 1 in. (25.4 mm) apart when arranging them end-to-end regardless of the enclosure size.

CONNECTION



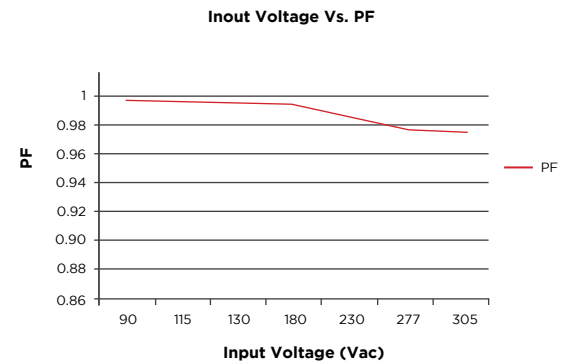
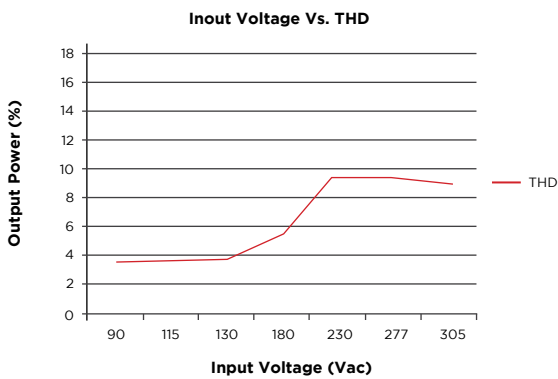
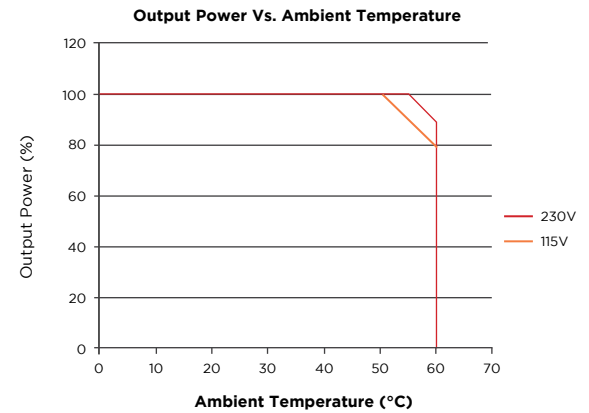
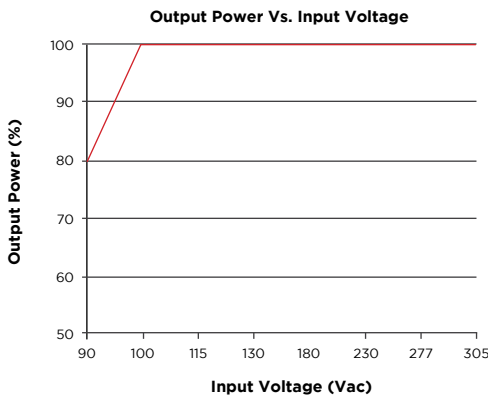
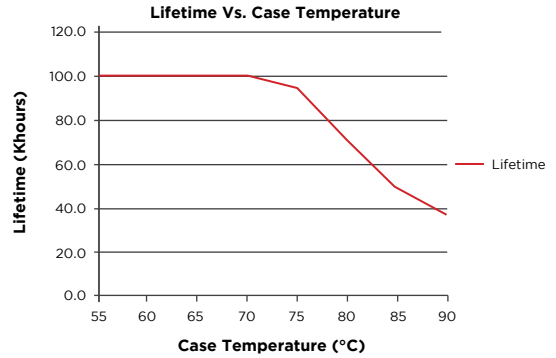
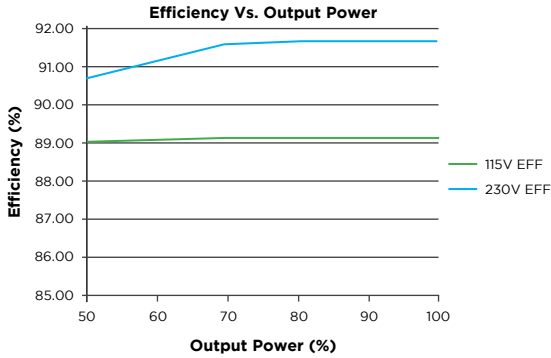
WIRING DIAGRAM



| 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 to UL48.**