

DESCRIPTION

The PUP15/25N3 series of AC-DC switching power supplies are for 15-25 watts of continuous output power. They are enclosed in a 94V-0 rated plastic case with an IEC320/C14 inlet to mate with interchangeable cord for world-wide use. All models meet EN55032, EN55024 and FCC class B emission limits and comply with UL, CSA, IEC and CE requirements.

FEATURES

- No load power consumption less than 0.075w
- Compliant with DoE level VI requirements
- Meet energy star EPS2.0 /ErP lot 7
- Meet EU CoC EPS V5 Tier2
- Operating altitude up to 5000 meters
- Overvoltage protection (auto-recovery)
- Short-circuit protection (auto-recovery)
- Overcurrent protection (auto-recovery)
- High Efficiency
- 100% burn-in at full rated load
- Compliant with RoHS requirements
- Meet LPS requirements

INPUT SPECIFICATIONS

Input voltage: 90-264 VAC
 Input frequency: 47-63 Hz
 Input current: 0.8A (rms) for 115 Vac
 0.45A (rms) for 230 Vac
 Earth Leakage current: 250 µA max. @ 264 VAC, 60 Hz

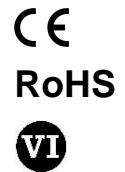
OUTPUT SPECIFICATIONS

Output voltage /current: See rating chart.
 Maximum output power: See rating chart.
 Ripple and noise: See rating chart.
 Overvoltage protection: Set at 115-200% of its nominal output voltage
 Overcurrent protection: Protect to short circuit conditions
 Temperature coefficient: All outputs $\pm 0.04\%$ / $^{\circ}\text{C}$ maximum
 Transient response: Maximum excursion of 4% or better on all models, recovering to 1% of final value within 500 us after a 25% step load change

ENVIRONMENTAL SPECIFICATIONS

Operating temperature: 0°C to $+40^{\circ}\text{C}$
 Storage temperature: -20°C to $+80^{\circ}\text{C}$
 Operating humidity: 20% to 80% non-condensing
 Storage humidity: 10% to 90% non-condensing

PUP15/25N3 SERIES



SAFETY STANDARD APPROVALS



UL 62368-1, CSA C22.2 No. 62368-1
 File No. E190414



TUV EN 62368-1

GENERAL SPECIFICATIONS

Hold-up time: 8 ms minimum at 115 VAC
 Turn on delay time: 3 s maximum at 115 VAC
 Efficiency: 85% up at full load
 Line regulation: $\pm 0.5\%$ maximum at full load
 Inrush current: 30 A @ 115 VAC or 60 A @ 230 VAC at 25°C cold start
 Withstand voltage: 4242 VDC from input to output, 2500 VDC from input to ground,
 100,000 hours at full load at 25°C ambient, calculated per SR332
 MTBF:

EMC Performance

EN55032: Class B conducted, Class B radiated
 FCC: Class B conducted, Class B radiated
 VCCI: Class B conducted, Class B radiated
 EN61000-3-2: Harmonic distortion, Class A and D
 EN61000-3-3: Line flicker
 EN55024
 EN61000-4-2: ESD, ± 8 KV air and ± 4 KV contact
 EN61000-4-3: Radiated immunity, 3 V/m
 EN61000-4-4: Fast transient/burst, ± 1 KV
 EN61000-4-5: Surge, ± 1 KV diff., ± 2 KV com.
 EN61000-4-6: Conducted immunity, 3 Vrms
 EN61000-4-8: Magnetic field immunity, 1 A/m
 EN61000-4-11: Voltage dip immunity, 30% reduction for 500 ms, and >95% reduction for 10 ms

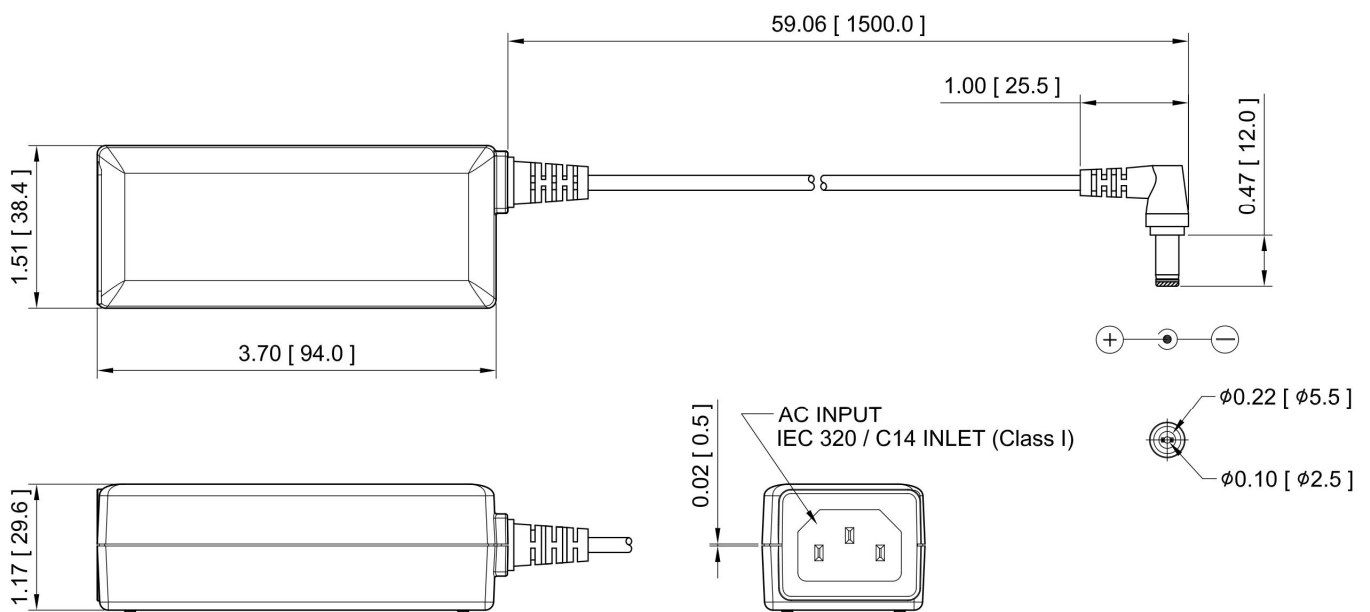
OUTPUT VOLTAGE/CURRENT RATING CHART

| Model | Output | | | | | | Average efficiency (typical) @ 115 / 230 Vac |
|--------------|--------|--------------|--------------|------|-------------------------------|------------|--|
| | V1 | Min. Current | Max. Current | Tol. | Ripple & Noise ⁽¹⁾ | Max. Power | |
| PUP15N3-10 | 5 V | 0 A | 3.00 A | ±5% | 150 mV | 15 W | 83 /83% |
| PUP25N3-12 | 12 V | 0 A | 2.08 A | ±5% | 180 mV | 25 W | 87 /88% |
| PUP25N3-13-2 | 19 V | 0 A | 1.32 A | ±5% | 300 mV | 25 W | 88 /89% |
| PUP25N3-14 | 24 V | 0 A | 1.04 A | ±5% | 300 mV | 25 W | 89 /89% |

NOTES:

1. Ripple and noise is maximum peak-to-peak voltage value measured at output within 20 MHz bandwidth, at rated line voltage and output load ranges, and with a 47 µF electrolytic capacitor in parallel with a 0.1 µF ceramic capacitor across the output.

MECHANICAL SPECIFICATIONS



NOTES:

1. Dimensions shown in inches [mm]
2. Tolerance 0.02 [0.5] maximum
3. Weight: 112 grams (0.25 lbs.) approx.
4. Output return (-) is electrically connected to incoming Earth Ground through a 0 ohm resistor as standard.
5. The length of output cable for PUP15N3-10 is 39.37 [1000.0].

PIN CHART

| MODEL | CONNECTION |
|----------|------------|
| Polarity | |

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Desktop AC Adapters](#) category:

Click to view products by [TT Electronics](#) manufacturer:

Other Similar products are found below :

[YS50-1903150](#) [ADP-40KD BBBM](#) [DTA27-3X-W-5](#) [212A2136](#) [ADP485-01](#) [SWA-1202](#) [SWA-1501](#) [212A2220](#) [212A2220-02](#) [212A2220-04](#)
[FWE030015A-10A](#) [432703037451](#) [TRH100A180-11E13-Level-VI](#) [TRH100A240-01E13-Level-VI](#) [TRH100A280-01E13-Level-VI](#)
[TRH100A280-11E13-Level-VI](#) [TRH50A120-02E01-Level-VI](#) [TRH50A120-12E01-Level-VI](#) [TRH50A120-40E01-Level-VI](#) [TRH50A150-12E12-Level-VI](#) [TRH50A180-11E03-Level-VI](#) [TRH50A240-02E03-Level-VI](#) [TRH70A120-11E01-Level-VI](#) [TRH70A240-11E03-Level-VI](#)
[DA10-050US](#) [416FG41017](#) [DTA27-0512FWX-W3](#) [TRH100A120-02E12-Level-VI](#) [TRH100A150-11E12-Level-VI](#) [TRH100A240-02E13-Level-VI](#) [TRH100A240-36E13-Level-VI](#) [TRH100A280-12E13-Level-VI](#) [TRH100A480-11E13-Level-VI](#) [TRH100A480-12E13-Level-VI](#)
[TRH50A120-11E01-Level-VI](#) [TRH50A120-49E01-Level-VI](#) [TRH50A150-12E02-Level-VI](#) [TRH70A120-01E01-Level-VI](#) [TRH70A120-02E01-Level-VI](#) [KR8-PS01](#) [1894875](#) [FWE030012A-10A](#) [FWE050024B-10A](#) [820A4080G](#) [825A0052-03](#) [825A0057-03](#) [SWA-1704W](#)
[AD5012N2LM-\(401\)](#) [DA10-050CH](#) [SDI65-24-UDC-P5R](#)