

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

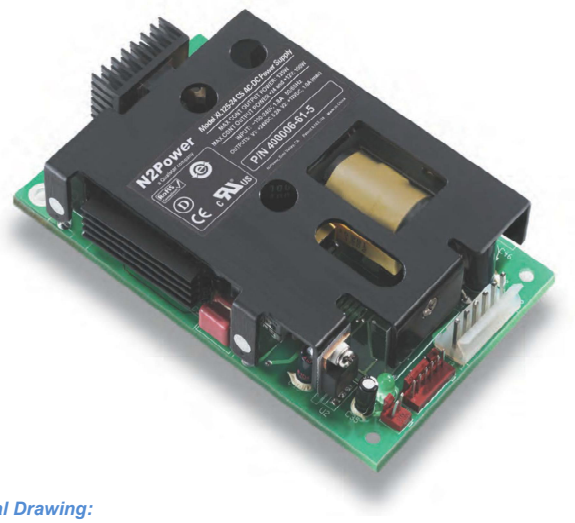
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Find the *N2Power XL125-1* at our website: *Click HERE*

N2POWER XL125 AC-DC SERIES
ULTRA SMALL, HIGH-EFFICIENCY POWER SUPPLIES

POWER SUPPLY DESIGN LEADER

N2Power continues to lead the power density race with its new small, high efficiency XL125 Series AC-DC power supplies. Our patented technology yields a very small footprint, reduces wasted power, and offers the highest power density in the market in the 125 watt range. This unique design means reduced energy costs, a greater return on your investment, higher reliability and longer product life.

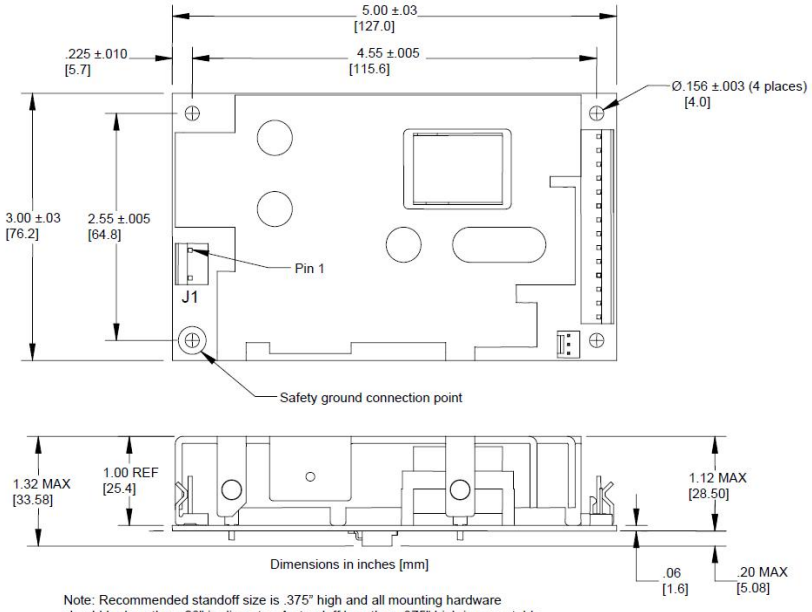


HIGHLIGHTS

- 125W AC-DC
- Up to 92% Efficiency
- High Power Density: 6.7 W / cu in.
- Universal AC input
- Active PFC (90-264 VAC)
- Built in OR-ing Diodes for N+1 (Optional)
- 3" X 5" Small Footprint
- <1U High: 1.32"
- No Load Operation
- RoHS Compliant

Typical Mechanical Drawing:

Inches (millimeters), connectors and pinouts may vary with model.
Refer to XL125 Product Specification for complete information.



Note: Recommended standoff size is .375" high and all mounting hardware should be less than .28" in diameter. A standoff less than .375" high is acceptable when a thin insulator, 0.4mm thick (polyester, fish paper or equivalent UL rated 94V-2 minimum) is placed between the XL125 and the mounting chassis (refer to applicable UL standard for clearance requirements).

HIGH EFFICIENCY IN A SMALL PACKAGE

The XL125 Series provides up to 92% efficiency in a 125 watt power supply. Our unique design reduces energy consumption and generates less waste heat. It requires little forced air cooling, decreases AC loads and increases reliability and economy of operation.

UNMATCHED POWER DENSITY

With an overall height of 1.32" and a 3" x 5" footprint, the XL125 Series boasts a power density of 6.7 watts per cubic inch. It is ideally suited for OEMs using industry standard 1U chassis. N2Power's small form factor power supplies allow you to work with additional "real estate" for more functionality inside your product. Decreased space requirements, reduced thermal loads and lower costs will increase your competitive edge in the market.

PFC READY, SAVE ENERGY

Many countries require Power Factor Corrected (PFC) power supplies, which lessen loads at generating stations. All XL125 products incorporate active PFC technology with universal input to provide superior efficiency in each supply. Comparisons of power loading show that our supplies can reduce consumption up to 50%.

REPEATABLE QUALITY

We use advanced PCB technology to deliver the highest density and best performance in the industry. Our packaging design incorporates SMT technology to automate processes, ensure reliability, and reduce cost. Each power supply undergoes a complete functional test and a multi-hour burn-in to insure that every unit meets our stringent quality requirements. Detailed statistical production records are maintained and rigid quality and AVL control insures the highest quality product available. Each power supply design is also rigorously tested by UL, with scheduled factory audits to ensure ongoing compliance.

Contact us regarding custom and modified standard supplies for unique applications.

QUALSTAR CORPORATION
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Tel: 805-583-7744
NASDAQ: QBAK

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N2POWER XL125 AC-DC SERIES
ULTRA SMALL, HIGH-EFFICIENCY POWER SUPPLIES

MODEL	PART NUMBER	OUTPUT	VOLTAGE	REGULATION (%)	MAXIMUM CURRENT (A)	RIPPLE & NOISE (P-P)
XL125-03	400010-03-9	V1	3.3	±3	32.0	50 mV
XL125-03 CS	400010-01-3	V2	12	±5	0.5	120 mV
XL125-05	400003-08-3	V1	5	±3	25.0	50 mV
XL125-05 CS	400003-01-8	V2	12	±5	0.5	120 mV
XL125-12	400004-67-7	V1	12	±3	10.4	120 mV
XL125-12 CS	400004-61-0	V2	12	±5	1.0	120 mV
XL125-15	400005-62-5	V1	15	±3	8.3	150 mV
XL125-15 CS	400005-61-7	V2	12	±5	1.0	120 mV
XL125-24	400006-68-0	V1	24	±3	5.2	240 mV
XL125-24 CS	400006-61-5	V2	12	±5	1.0	120 mV
XL125-28	400006-66-4	V1	28	±3	4.5	280 mV
XL125-28 CS	400006-64-9	V2	12	±5	1.0	120 mV
XL125-48	400007-63-9	V1	48	±3	2.6	480 mV
XL125-48 CS	400007-61-3	V2	12	±5	1.0	120 mV
XL125-1	400002-61-4	V1	3.3	±2	10.0	50 mV
		V2	5	±4	15.0	50 mV
		V3	12	±5	5.0	120 mV
		V4	-12	±5	1.0	120 mV
XL125-7	400008-61-1	V1	2.5	±2	13.2	50 mV
		V2	5	±4	15.0	50 mV
		V3	12	±5	5.0	120 mV
		V4	-12	±5	1.0	120 mV
XL125-8	400009-61-9	V2	5	±4	16.5	50 mV
		V3	12	±5	5.0	120 mV
		V4	-12	±5	1.0	120 mV

CS = Current Sharing

INPUT SPECIFICATIONS	
Nominal Input Voltage:	100 – 240 VAC
Maximum AC Input:	90 – 264 VAC
Input Frequency Range:	47 – 63 Hz
Input Current:	1.8 A @ 100 VAC
Input Protection:	3.15 A fuse
Safety Isolation:	3000 VAC input to output 1500 VAC input to ground
Inrush Current:	33 A @ 115 VAC
Leakage Current:	< 0.75 mA
Power Factor Correction:	Active PFC circuitry, meets or exceeds EN61000-3-2
OUTPUT SPECIFICATIONS	
Total Power:	125W
Hold-up Time:	Minimum 28 mS at all input voltages
Efficiency:	Up to 92% †
Minimum Load:	No load †
Over / Under Shoot:	Maximum 10% at turn-on
PROTECTION	
Overvoltage Protection:	On all main outputs
Overpower Protection:	Protected / Auto-recovery
Short Circuit Protection:	All outputs protected against short circuit
Thermal Shutdown:	Protected against over-temperature conditions
OPERATING SPECIFICATIONS	
Operating Temperature:	-25°C to +50°C
Temperature Derating:	2.5% / degree C to 70°C
Storage Temperature:	-40°C to +85°C
Forced Air Cooling:	5 CFM
Convection Cooling:	See Product Specification
MTBF:	627,221 hours @ 25°C *
SIGNALS	
Remote Sense:	On main output † Δ
Current Sharing:	Active current sharing with OR-ing diode or MOSFETs † Δ
Power Good:	Provided †
PS_OK:	Output †
LED:	Some models †

† See Product Specification Δ Some Models
* See MTBF Report for additional temperature values

Compliance: [1]

	USA / Canada	Europe	International
Safety:	Underwriters Laboratories: UL 60950-1:2007 (2nd Edition) / C22.2 No. 60950-1-07 Safety of Information Technology Equipment (ITE)	2006/95/EC - "Low Voltage (Safety) Directive" Demko: EN 60950-1:2006 (2nd Edition) +A1:2010 +A11:2009 +A12:2011 +A2:2013	IEC 60950-1:2005 (2nd Edition)+ Am1:2009 + Am2:2013 Safety of Information Technology Equipment
EMC:	FCC part 15, subpart B	2004/108/EC "Electromagnetic Compatibility (EMC) Directive" EN 61204-3 Class B	IEC 61204-3 Class B

[1] See Product Specification for additional information

XL125 products are protected by patent number 6,163,139

For complete specifications on all models, please visit our website at: www.n2power.com

All information and specifications are based on our knowledge of the products at the time of printing. N2Power reserves the right to change specifications without notice.

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

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