



TOGETHER WE

POWER ON

PRODUCT PORTFOLIO

WHY STACO ENERGY PRODUCTS?

# WE ARE YOUR CUSTOM POWER SOLUTIONS PROVIDER.

Unique application design demands, harsh environment concerns, the need to meet non-standard physical space requirements—providing the “not so usual” is what we do best.

From leading edge uninterruptible power supplies, power conditioners, emergency lighting inverters and harmonic correction equipment to the world’s most stable voltage control systems, we have the technology you need to protect and manage your business, and the knowledge to make it work for you.

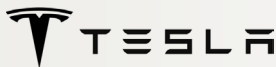
Since 1937, customers worldwide have relied on Staco Energy, as their custom solutions provider, to solve a wide range of electrical power problems. Headquartered in Miamisburg, Ohio, Staco Energy Products is a wholly owned subsidiary of Components Corporation of America, located in Dallas, Texas.

## OUR CUSTOMERS

Staco Energy Products has had the privilege of serving some of the finest companies in the world. We are proud of the relationships we've built with these companies, and with all of our customers.



S E P H O R A



3M Corporation  
AAON Heating & Cooling Products  
Abbott Laboratories  
Acrodyne Communications, Inc.  
Amdahl (A Fujitsu Company)  
Analog Devices, Inc.  
Andritz  
AT&T Technologies  
AVO International  
BASF Corporation  
Bethlehem Steel Corp.  
Boeing Company  
Boise Cascade Corp.  
Bridgestone/Firestone  
Broadcast Electronics, Inc.  
Broward Yachts  
Campbell Soup Company  
Canon  
Carrier Corporation  
CBS  
CitiGroup, Inc.  
Cloud HQ  
CNN  
Cutler-Hammer (Eaton)  
Daikin Applied  
Daikin/Goodman Mfg  
Dupont  
EDS (Electronic Data Systems)  
Eli Lilly Company  
ESPN  
Exxon Mobil Corporation  
FAA (Federal Aviation Administration)  
Ford Motor Company  
FOX-TV  
Gates Air  
General Dynamics Corporation  
General Electric Co.  
General Motors Corp.  
Graham Media Group  
Hobart Corporation  
Honeywell Corp.  
IBM Corporation  
Ice Qube  
Illinois Tool Works Inc. (ITW)  
Ingersoll Rand  
Intel Corporation  
Johnson Controls  
Juno Lighting, Inc.  
Kimberly-Clark Corp.  
LeBlanc, Ltd.  
Lockheed Martin  
Lucent Technologies  
Metro-Goldwyn-Mayer, Inc. (MGM)  
MagneTek, Inc.  
Marine Drilling Companies, Inc.  
Maytag Corporation  
McBride Electric  
McDonald's Corporation  
McKesson Corp.  
Monsanto Company  
Motorola, Inc.  
NASA  
NBC  
Nautel, Ltd.  
Newport News Shipbuilding  
NOAA (National Oceanic & Atmospheric Administration)  
Pacific Gas & Electric Company  
PepsiCo  
Pfizer, Inc.  
Philips Medical  
Procter & Gamble Co.  
Raytheon Company  
Regal Beloit  
Rheem Manufacturing Co.  
Richardson Electronics, Ltd.  
Rockwell Automation  
Shell Oil Co.  
Siemens Energy & Automation, Inc.  
Smart Wires, Inc.  
Texas Instruments, Inc.  
Toshiba Corporation  
Transocean Sedco Forex  
Tyco Electronics Corp.  
Union Carbide Corp.  
Universal City Studios  
USX Corp. (Marathon Oil Co.)  
Verizon Communications  
Walt Disney  
Walgreens Co.  
Wards Marine Electric, Inc.  
Wells Fargo & Company  
Westinghouse Electric Company, LLC, part of the BNFL Group  
Weyerhaeuser Company  
Whirlpool Corporation  
Xerox Corporation  
Zenith Electronics Corp.

“

We went with Staco because the test stands had the capability we needed, the products have a good reputation in the industry, and a strong personal relationship.

— Director of Operations Development | AAON Heating & Cooling Products

”

# UNINTERRUPTIBLE POWER SUPPLIES

## SINGLE-PHASE | STANDBY, LINE INTERACTIVE, & ONLINE DOUBLE CONVERSION

Minuteman Power Technologies, our trusted sister company, offers a dedicated range of single-phase UPS systems designed to protect everything from desktop workstations to mission-critical IT equipment.

### STANDBY (OFFLINE)

450 - 900VA

- Backup & surge protection
- Ideal for home & retail shops
- Model: Enspire-G®



### LINE INTERACTIVE

550 - 3000VA

- Voltage regulation without battery use
- Perfect for offices, LANs & POS systems
- Models: Entrust-LG, PRO RT2U®, EXR®



### ONLINE DOUBLE CONVERSION

1000 - 10000VA

- Seamless, clean power
- Isolates from power issues
- Models: Encompass RTX, Endurance (1kVA - 3kVA); Endeavor (5kV - 10kVA)



### POWER CABINET

42U & 24U SERVER RACK

- Fully assembled with pre-installed Minuteman UPS
- Locking doors & side panels for secure, easy access
- Top ports, open bottom & vented doors for airflow & cable routing
- Rugged steel frame supports up to 3,000 lb. stationary or 2,250 lb. rolling

“

We know there are many companies offering UPS out there. We partnered with Staco as our UPS provider because of their quality products, backed by their extensive warranty, and most importantly, their proven commitment to a positive customer experience.

”

— President | TechAdvisors Computer Support Services

TOGETHER WE POWER ON

## UNINTERRUPTIBLE POWER SUPPLIES

### THREE-PHASE | ON-LINE DOUBLE-CONVERSION

The Staco E Series consists of Three Phase UPS products from 10kVA to 500kVA. They automatically transfer to battery power and continue to provide power without interruption. Staco offers additional options including External Maintenance Bypass, battery monitoring, Remote Alarm Status Panel, and more. These products are reliable across all applications from Data Center, Industrial Process Manufacturing, Hospitals & Labs, and Universities.



#### STACO E3

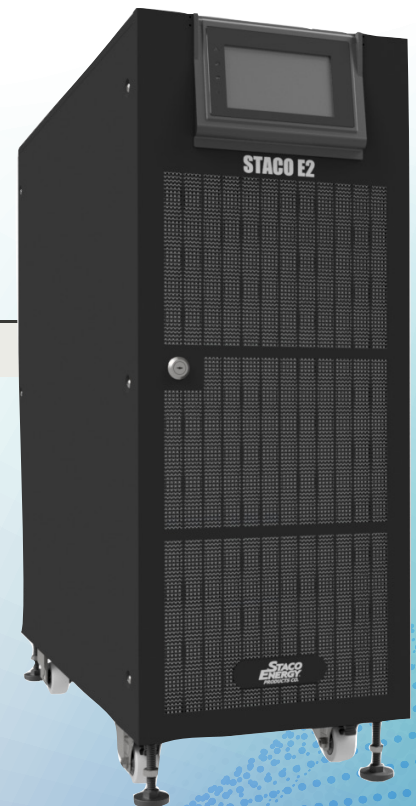
3.5 - 40 kVA | 208 or 480 VAC

- Lower Initial Cost and Heat Output
- Unity Output Power Factor
- > 96.5% Efficiency
- Up to 99% Efficiency in ECO Mode
- 50/60 Hz Switching Capability
- Seismic Certification

#### STACO E2

10 - 100kVA | 208VAC

- Output Unity Power Factor
- Up to 95.3% Efficient
- Compact & Reliable
- AC Input Performance



## UNINTERRUPTIBLE POWER SUPPLIES



### THREE-PHASE | ON-LINE DOUBLE-CONVERSION

The Staco Series consists of Three Phase UPS products from 10kVA to 500kVA. They automatically transfer to battery power and continue to provide power without interruption. Staco offers additional options including External Maintenance Bypass, battery monitoring, Remote Alarm Status Panel, and more. These products are reliable across all applications from Data Center, Industrial Process Manufacturing, Hospitals & Labs, and Universities.

#### STACO PLT

50 - 60 kVA | 208/120VAC

- Available in Other Voltages with Internal Transformers
- Parallel Up to 4 Units
- Compact Footprint with Internal Battery Options
- Dual Input Capability



#### STACO PE

50 - 200 kVA | 480VAC

- Output Unity Power Factor
- Up to 95.3% Efficient
- Compact & Reliable
- AC Input Performance

# UNINTERRUPTIBLE POWER SUPPLIES

## THREE-PHASE | ON-LINE DOUBLE-CONVERSION

The Staco Series consists of Three Phase UPS products from 50kVA to 500kVA. They automatically transfer to battery power and continue to provide power without interruption. Staco offers additional options including External Maintenance Bypass, battery monitoring, Remote Alarm Status Panel, and more. These products are reliable across all applications from Data Center, Industrial Process Manufacturing, Hospitals & Labs, and Universities.

### STACO P

65 -500 kVA | 480/277VAC

- Up to 98% Efficiency in ECO Mode
- Flexible Input & Output Voltage Options Available
- Advanced Touch Screen Display
- Parallelable for Capacity or Redundancy
- Multiple Voltage Options
- Provides Galvanic Isolation to the Load
- 400 Volt 50 Hz Available
- Lithium-Ion Battery Available



# EMERGENCY LIGHTING INVERTERS

## DOUBLE-CONVERSION & LINE INTERACTIVE ELI | 100% LED COMPATIBLE

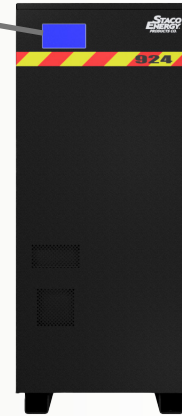
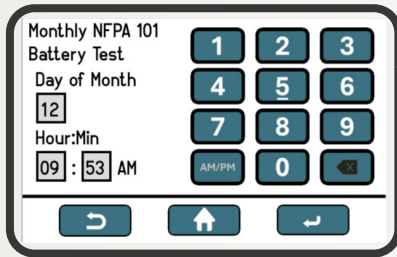
Staco's UL924 Emergency Lighting Inverters for single phase applications are designed to deliver reliable power during critical moments. These systems can be configured for normally on and/or normally off operation, and are available as standard UL-924 90-minute inverters or UL-924 OUST alternative runtime systems. For smaller or localized installations, they provide straightforward and dependable protection.

### STACO SEL

0.675 - 10 KW | SINGLE-PHASE

- 90 & 120 minute battery runtimes
- Multifunctional LCD user interface
- Fully automatic NFPA 101 self diagnostics and testing small & medium frames
- Smaller footprint
- Touchscreen HMI small & medium frames

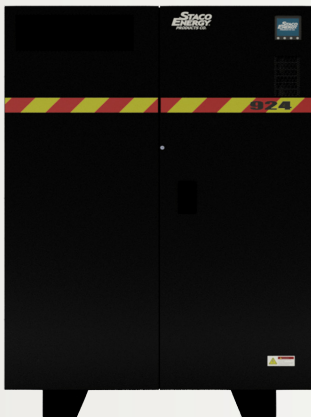
#### HMI TOUCHSCREEN



**SMALL FRAME**  
0.675 - 2.7 KW



**MEDIUM FRAME**  
4.2 - 10 KW



**LARGE FRAME**  
10.8 - 18 KW

### STACO 924

10.8 - 18 KW | SINGLE-PHASE

- Full Light Output for 90 Minutes
- Integrated LCD Display Indicates All Operating Parameters for Easy, Immediate Monitoring
- Pure Sine Wave Output for All Types of Lamps

# EMERGENCY LIGHTING INVERTERS

## ON-LINE DOUBLE-CONVERSION ELI | 100% LED COMPATIBLE

For larger facilities, Staco's UL924 three phase Emergency Lighting Inverters offer centralized solutions with flexible runtime configurations. Options include standard UL-924 90-minute or UL-924 OUST systems, with added features such as Maintenance Bypass, communication capabilities, and NEMA-rated cabinets (3, 3R, 4X). These inverters ensure robust coverage and efficiency for demanding environments.

### STACO E3 924 3.5-40 KW | THREE-PHASE

- Advanced Circuitry and Battery Protection
- High AC to AC Efficiency
- User-Friendly Mimic Panel
- Seismic Certification



### STACO PLT 924 45-54 KW | THREE-PHASE

- Advanced Circuitry and Battery Protection
- High AC to AC Efficiency
- User-Friendly Mimic Panel
- Available in Other Voltages with Internal Transformers

### STACO P 924 58.5-225 kW | THREE-PHASE

- Supports all Connected Lighting Loads
- Advanced Circuitry and Battery Protection
- Cost Effective, High Reliability Design
- Monitoring and Communications
- Customizable Battery Times



## VOLTAGE REGULATORS

Staco Energy Products offers a wide range of Voltage Regulators and Power Conditioners in the form of Variable Transformer (StacoAVR) and Electronic (Staco PPC) Technology, depending on the client's needs. These voltage regulators are designed with maximum safety, ease of installation and efficiency in mind.

StacoAVR's are continuously rated constant output voltage devices, regardless of typical input voltage variations from +10% to -20%. They're applied to provide stabilized voltage to industrial, commercial and public infrastructure applications where devices need continuous stable electrical supply. Examples include: Reducing voltage to large HVAC systems to reduce high energy cost, or stabilizing the incoming power to a large production facility so equipment operates efficiently, or supplying precise voltage to a single piece of equipment like medical MRI, production CNC, or Broadcast Transmitters.

### STACO AVR

UP TO 2000 kVA | 120-600VAC | VOLTAGE REGULATION

- Power Conditioning System
- 1% or Better Continuous Voltage Regulation
- 97-99% Efficient
- Flexible Design



## POWER CONDITIONERS & FREQUENCY CONVERTERS

### THREE-PHASE | PARALLELABLE

The Staco Precision Power Conditioner (PPC) & Frequency Converter (FC) Series represents the latest in continuous voltage correction and conditioning technology providing the clean, regulated precision power for all your sensitive loads. These products protect your application from sags and surges that would normally damage your expensive devices. The Frequency Converters can be used for export product testing or operation of equipment rated at international frequency and voltage. In the event of a power failure, the unit can be equipped with an optional battery cabinet to ride through a limited outage.

#### STACO PPC

3.5-500 kVA | 200-600 VAC

- Precision Power Condition (PPC)
- UL Listed
- Parallelable for Capacity or Redundancy
- Seismic Certification
- Instantaneous Correction

#### STACO FC

3.5-400 kVA | 200-600 VAC

- Frequency Converter (FC)
- Efficiency above 92% at full load
- Seismic Certified & UL Listed
- Parallel up to 3 Units



## PROVIDER POWER SYSTEM / CUSTOM TEST EQUIPMENT

THREE-PHASE | RUGGED | HIGH OVERLOAD | NO SINE WAVE DISTORTION

The StacoPPS Series are engineered turnkey solutions for AC voltage control used in the testing of electrical products. Our PPS units provide precise voltage control for any basic or sophisticated test laboratory needs in Production, Quality, or R&D labs. Examples include: Quality assurance labs, circuit breaker testing, HVAC, motor test, VFD, compressor, white goods, and product life cycle testing.

### STACO PPS

0-4000 AMPS UP TO 3500 kVA | 0-1000VAC

- Precise, Accurate Voltages Available Making the PPS Design Flexible Enough for any Electrical Testing Application
- Fully Customizable from Standard Products
- Robust, Rugged Design for Years of Trouble Free Service
- Designed to be Easy to Use and Very Operator Friendly



# STACO SERVICE

## FIELD SERVICE PROGRAM

Staco service is built upon a blend of factory direct service personnel and a world wide network of highly motivated and factory trained customer support engineers and technicians. We provide professional services and repairs throughout the world over the lifetime of your equipment.

- Start-Ups
- Preventive Maintenance
- Spare Parts
- Battery Analysis/Refresh/Replacement
- On-Site Training
- Time & Material Services
- Power Studies: Power Quality, Load & Usage



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