

## Industrial Power

Energy Technologies, Inc. (ETI) has been working for over 20 years developing innovative and intelligent power solutions to meet a myriad of requirements and application scenarios. This includes UPS backup power systems (AC & DC), global power conditioners (automatic voltage and frequency conversion, AC & DC power supplies) and power generation (engine generators, solar and fuel cells), both portable and stationary designs with or without intelligent interfaces. Thousands of the resulting power products are successfully deployed in industrial capacities worldwide.

Our products are in use where rugged, high-reliability power conditioning and computer peripheral applications are required. From refineries to pipelines in harsh desert environments; from mines to factories; from construction equipment to ships and aircraft, ETI has become the standard in rugged power applications.

ETI's products are modular in design, available in a variety of sizes, and may be modified to suit a particular application or integrated into a total solution. ETI's units are designed to prevent damage due to mechanical shock and vibration. They are built rugged, not "ruggedized" and conform to all pertinent commercial standards.

ETI is continuously developing new products to meet industry's ever changing power needs, and we have a solution for your unique needs.



## 1U Ultimate Power Source™ UPS

- 2000 Watts, 2500 VA output power per module
- Up to 32 units can be combined for increased power rating and reliability
- N+1, N+2, N+x redundancy: Increased reliability
- Full power operation from -20°C to +60°C
- 1 Phase or 3 Phase AC output configurations
- Pure sinusoidal AC output voltage
- Power factor correction at AC input
- True on-line double conversion
- Cold start with no AC or DC input connections
- Handles both linear and non-linear loads
- 13 minute run-time per battery module at 2000 W
- Battery expansion available for increased run time
- Field replaceable, hot swap battery modules
- High reliability & capacity lithium iron phosphate battery
- 1U high rack mount unit (1.73" x 19" x 23.0")
- Light weight: <40 lbs. including battery
- Meets mechanical shock and vibration standards
- Multiple output connector configurations
- User I/O and configuration signal ports
- ROHS compliant



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# Industrial Power Source®

Hardened • Reliable • Intelligent



**Energy Technologies Inc.**

Rugged Power ♦ Global Solutions

[www.IndustrialPowerSource.com](http://www.IndustrialPowerSource.com)

## Product Offerings

ETI designs and manufactures a wide range of high reliability power generating, power conditioning, energy storage and power distribution equipment. If you have a particular application or requirement, please contact us to discuss how we can provide a solution to meet your specific power needs.

- Uninterruptible Power Systems (UPS) in NEMA, rackmount, portable case or custom enclosures
- AC power frequency converters
- AC power supplies/conditioners
- DC power supplies/conditioners
- AC & DC Power Distribution Units (PDU)
- Battery modules, battery plants
- Portable, fixed, & rackmount power inverters
- Fuel Cell Power Plants (FPP)
- Rugged stationary or portable generators
- Solar power solutions
- Intelligent monitoring/control interfaces

- Each available in portable, embedded or fixed configurations

## Industrial Power Features

ETI produces a wide variety of industrial power products due to the modularity of the product line and the diverse requirements of our clients. NEMA enclosure types 1 to 13 are available for use in normal, harsh or even hazardous environments. These Industrial Power Sources® are field proven for long term reliability and are deployed in thousands of applications worldwide including pipelines, offshore platforms, factories and refineries.

- Wide range of power ratings
- Choice of any NEMA enclosure type
- Steel, aluminum or stainless cabinets
- Standard or custom interfaces
- Rugged designs for harsh industrial environments
- Standard or extended battery backup run times
- Flame retardant "maintenance free" batteries
- With or without galvanic isolation
- Mix and match input/output voltages and frequencies
- Multi-national autoranging AC input selection
- With or without branch circuit power distribution

**ETI's Standard or Custom Designs Increase the Overall Reliability of your Applications.**

## Uninterruptible Power Systems (UPS)

- True online design: Computer Grade Power for Critical Loads: 1 -60 kVA configurations
- Standard and custom input and output voltages
- 1-phase and 3-phase input/output
- Input/output Frequencies: 50/60/400 Hz
- Input power factor correction
- Brownout, blackout & overvoltage protection
- Monitoring and control: RS-232, SNMP, WAN, 10Base-T, and HTTP interfaces
- NEMA, rackmount, & custom enclosures
- Options:
  - Galvanic isolation
  - EMI/EMC protection
  - All weather operation
  - Extended battery times
  - Integrated PDU saves space
  - Hazardous location protection
  - Seismic vibration isolation



## DC/AC Power Inverters

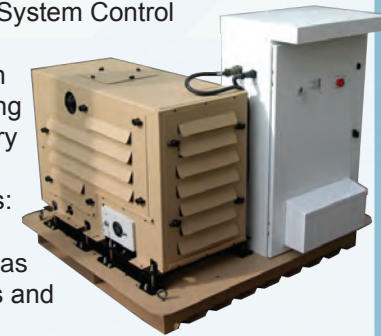
- Multiple DC input provides regulated Computer-Grade sinusoidal power output.
- Self contained: Setup without using tools
- Quick connects or hard wired connections
- Hard mount, rackmount, and custom mountings

### Features:

- Power Ratings: 150 - 10,000 Watts
- Input Voltages: 24, 48, 72, 125 or 200 VDC
- Pure Sinusoidal Outputs 120/240 VAC, 50/60 Hz
- Paralleling and load sharing allow multiple modules to be used for greater power ranges & redundant reliability

## Remote Power Plant

- Total Packaged Power Solution: Integrated UPS, Generator & Power System Control
- 3 in 1 Application:
  - Power Generation
  - Power Conditioning
  - Emergency Battery Backup
- Multiple Fuel Options: Diesel, Gasoline, propane or natural gas
- Global input voltages and frequencies
- Standard output voltages and frequencies: -120/240 VAC; 3-phase & others optional
- Power ratings available up to 100 KW
- Totally automatic unattended operation.
- Automatic Transfer Switch (ATS) selects between internal generator or external sources
- Audible noise suppression housings available



## Industrial Grade Solar

ETI manufactures industrial grade solar components as well as complete systems. This includes both rigid and flexible solar arrays, charge controllers, inverters, energy storage and micro grid controllers.

Applications include:

- Supervisory Control And Data Acquisition (SCADA)
- Remote Terminal Units (RTU)
- Remote video surveillance and security
- Valve operators
- Remote pumping

