

Uninterruptible Power Supply (UPS)

Reliable power protection for mission-critical uninterrupted operations

Ensure a stable, reliable power supply and safeguard your critical equipment with our durable and efficient Uninterruptible Power Supply (UPS) Solutions.

From remote oil fields to military training exercises, or shipyards to search and rescue, mission critical operations rely on the readiness of Uninterruptible Power Supplies (UPS) for a secure power source. IntelliPower has built a large customer base in these markets thanks to our experience. For more than three decades, our sole business focus and our driving passion have been the designed and development of the most advanced portable power system technologies available to serve our customers' needs.

Protect Vital Equipment

Depending on its class and capabilities, a UPS starts by conditioning utility power, correcting for unwanted characteristics in the main supply (e.g., frequency instability and harmonic distortion), and protecting against disruptions from voltage spikes, overvoltage surges or electrical noise for example, that can damage sensitive electronic equipment.

When power fails, you need a system that delivers. Our UPS provides near-instantaneous protection from input power interruptions to maintain system operations, and with enough backup storage to allow primary utility power to return or for emergency generators to kick in. Or if powering down, the UPS keeps all systems "go" while a human operator shuts the primary system down in an orderly fashion, protecting devices and protecting against data loss. Alternatively, control software working in conjunction with the UPS can close the system down in a controlled manner.

We supply UPS systems to all branches of the military, as well as oil and gas operators, the transportation industry, emergency medical teams, both governmental bodies and non-governmental organizations (NGOs), maritime operations including shipyards, and rugged industrial uses. Each relies on IntelliPower UPS systems for a robust and efficient power backup system.

We have a proven record of providing outstanding solutions. All the work is done in-house in our domestic facility, from design through manufacturing, sales and service. Whether your operations face intermittent power outages or harsh, unforgiving environments and uncertain power input, we have a power system at the proper scale that meets specifications that will overcome those challenges.

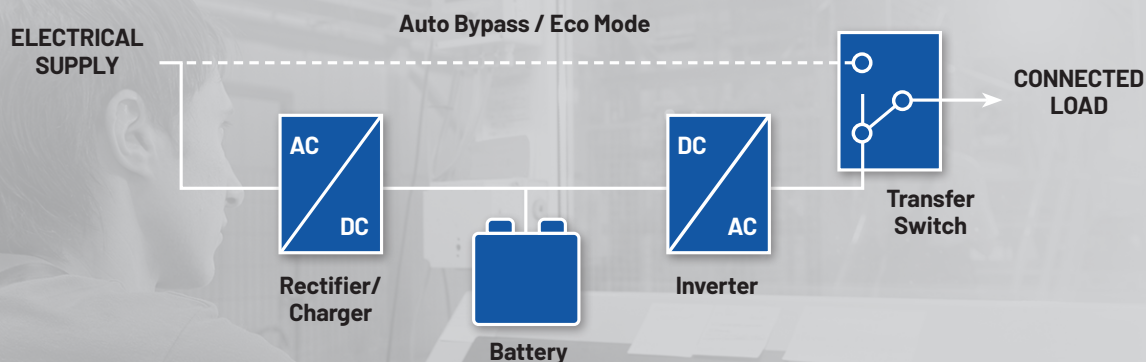
Our UPS provides the ideal choice to ensure uninterrupted power supply when it's needed most.



- ▶ More than three decades of field testing and proven performance in mission-critical applications
- ▶ Key UPS supplier to US DoD (Army, Air Force, Navy, and Coast Guard) and international MoD
- ▶ Online (double conversion) UPS topology offering 100% power conversion and zero transfer time in case of main failure
- ▶ Modular "building block" technology allowing full customization, including special functions, with minimal NRE, if any at all
- ▶ Built to meet main MIL-STD and to operate in harsh conditions (vibration, shock, extreme temperature, humidity, sand/dust, etc.)
- ▶ Multiple battery chemistry options and battery configurations (external, built-in, hot-swappable drawer)
- ▶ Multiple form factors: rack-mounted, free standing, pelican case, transit case, and wall mounted
- ▶ Battery renewal program extending the lifetime of UPS
- ▶ Top-class service capabilities, including standard repair and refurbishment
- ▶ In-house design, manufacturing, and support for all electronic hardware, firmware, embedded software and enclosure technology
- ▶ ISO 9001:2015 Certified Quality Management System
- ▶ AS5553/AS6171 protected supply chain against counterfeit electronic parts

Online Double Conversion

A double conversion (online) UPS provides continuous, clean, and conditioned power, regardless of the condition of incoming power. Such systems operate by converting incoming AC to DC (rectifier), and then DC back to AC (inverter). As a result, the output power is completely isolated from the input one and all types of power problems (surges, spikes, transients, etc.) without the need to use the battery. In case of blackout, the transfer time to battery is zero, while still providing perfectly conditioned power. Online UPSs can filter out any disturbance and operate in areas with poor power quality. As a result, they are the best choice for mission critical applications where sensitive equipment is present and a continuous supply of clean power is a requirement.



Rugged Is Better

Rugged power supplies are developed to support mission-critical systems operating in harsh environments. They differ from ruggedized (reinforced) and standard UPS as they comply with MIL-STD, i.e. the reference for UPS that must withstand conditions featuring shock, vibrations, and extreme temperatures.

Rugged UPS	Commercial UPS
Will not drop the critical load under any circumstances. Meets or built-to MIL-STD.	Performance Testing is not usually required
Design Life: 10-15 years End-of-Life (EOL): unlikely.	Design Life: 3-5 Years End-of-Life (EOL): probable.
Ambient Temperature Range: -40 to 149°F (-40 to 65°C). Dependent on battery chemistry being used.	Ambient Temperature Range: 32 to 104°F (0 to 40°C)
Air Humidity: 10 - 95% RH	Air Humidity: 10 - 55% RH
Air Contaminants: Designed to resist dusty and corrosive contaminants	Air Contaminants: Not designed to resist dusty and corrosive contaminants
Online (double conversion) topology - no compromise on performance.	Line interactive topology - compromise cost or performance
Battery Chemistries: VRLA, LiFePO ₄ (LFP): better performance and increased lifetime	Battery Chemistries: VRLA
Back-up time: As requested	Back-up time: Limited, depending on load
Flexible/versatile frame design to meet requirements; all metal design	One size fits all; typical plastic, injection mold front faceplate

Safe Shutdown and Communications Software Options

- ▶ Windows, Linux, UNIX, macOS and FreeBSD
- ▶ Microsoft Hyper-V, VMware ESX and VMware ESXi Virtualization Software
- ▶ SNMP, Ethernet/IP, CIP, RS232/USB and Dry Contacts

Power Conditioning

Filters and conditions the AC line to support industrial and commercial transient and emissions standards.

Battery Chemistries

- ▶ Pure Lead Acid
- ▶ Valve-Regulated Lead Acid (VRLA)
- ▶ Lithium Iron Phosphate (LiFePO₄)

Voltage and Frequency Conversion

Transforms multiple input voltages and frequencies to various output voltages and frequencies

Battery Options

- ▶ Internal
- ▶ External Battery Module (EBM)
- ▶ Hot Swappable Drawers



Special Functions

- ▶ Emergency Power Off
- ▶ Cold Start Button
- ▶ Remote Shut-Down
- ▶ And more

Multiple Inputs

- ▶ 120/240, 115/230, 90-264, 208, 440VAC
- ▶ 47-440 Hz
- ▶ Single or 3-Phase AC DC, DC/AC

Multiple Outputs

- ▶ 120/240, 115/230, 208 VAC
- ▶ Selectable or Fixed
- ▶ 50/60 Hz
- ▶ Single-Phase AC
- ▶ DC, DC/AC

Connector Options

- ▶ NEMA
- ▶ IEC
- ▶ Circular Mil
- ▶ Terminal Block
- ▶ Pigtail

Multiple Mounting Configurations and Enclosure Options



Half Rack



1U Rack Mountable



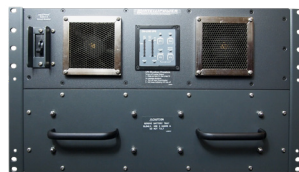
2U Rack Mountable



3U Rack Mountable



4U Rack Mountable



6U Rack Mountable



Wall or Bulkhead Mountable



Portable Briefcases



Transit Cases



Free Standing Towers with Lifting Eyes

Industry Applications



Oil and Gas

Upstream, midstream and downstream segments, in exploration and production, rigs and platforms, pipeline, processing and storage facilities.



Military

Supporting C5ISR systems used in land, sea, and air mission-critical applications.



Transportation

Toll stations, highway tunnels, message boards, CCTV camera systems, municipal traffic control, signal equipment, automated parking facilities.



Maritime

Offshore substations to shipboard electronics, navigation consoles, bridge and communications systems.

Take charge of your power reliability today. Experience uninterrupted productivity with a UPS unit from Intellipower. When your operations are on the line, every situation is mission critical. Contact us today to secure peace of mind with the perfect power solution.



Phone: +1 714-921-1580 • Fax: +1 714-921-4023 • sales.intellipower@ametek.com

Corporate Headquarters

1746 North Saint Thomas Circle, Orange, CA 92865 USA

www.IntelliPower.com



All products are designed, manufactured, and supported in the USA

ISO 9001:2015 Certified Facility