UNINTERRUPTIBLE POWER SYSTEM (UPS)

1000 VA, 750 W, 115 VAC Input, Double Conversion, Rugged, Isolated, High Temperature Wall Mount On-Line UPS with 115 VAC at 60 Hz Output and Hot Swap Battery Drawer to provide Power Backup and Power Conditioning for Military Applications.

FEATURES & BENEFITS

Rugged & Extreme Environments
All AMETEK IntelliPower systems utilize circuit boards, chassis and components that are specifically designed for extreme environments. In today’s marketplace, repackaged commercial products are often billed as “rugged” and/or “built for harsh environments”. Each component in our systems is specifically selected or designed based upon proven performance in harsh indoor and outdoor applications.

Cutting Edge Technology
Our digital, double conversion on-line UPS, power conditioner and frequency/voltage converter solutions utilize high-efficiency power switching and galvanic isolation which provides ideal electrical output performance. Systems are available with global voltage inputs & outputs, AC inputs & outputs and DC inputs & outputs. You will be able to utilize any power source.

AMETEK IntelliPower offers power management software along with many standard communications protocols such as SNMP with OID and MIB Support, RS-232, Ethernet/IP – Common Industrial Protocol (CIP), MODBUS and Dry/Discrete Contacts. The sum total of these technological features equals the ultimate protection for your electronic equipment.

Robust Product Portfolio
No other UPS company offers 2,000+ variations. Utilizing AMETEK IntelliPower’s building block methodology, more product features and functionality are provided; without having to extend lead times or change proven designs. For over 30 years, AMETEK IntelliPower has developed its electronics hardware, firmware, embedded software and enclosure technology in house, which provides us with a unique capability to meet virtually any of your application requirements to include completely sealed systems.

Designed and Manufactured in the USA
The engineering and technological expertise within AMETEK IntelliPower has enabled us to develop and field test products since 1988 to 100% user satisfaction. For you, this translates into shorter lead times from design to shipping as well as personalized service and support. Our mission is to provide you with the highest standard of customer support and quality control.

Military Standards Compliance
All product configurations are designed and manufactured to meet military standards. Systems have been and can also be certified by independent labs. Many standards are met in our standard build practices, some notable standards include MIL-STD-461F (Electromagnetic Interference EMI), MIL-STD-464C (Electromagnetic Environmental Effects EME), MIL-STD-1275D (DC Electrical Power Systems), MIL-STD-901D (Shock), MIL-STD-167-A (Vibration), MIL-STD-810G (Environmental; Altitude, Temperature, Humidity, Fungus, Sand & Dust, Rain), and MIL-STD-1399-300B (Interface requirements for AC devices; Voltage Transients (spikes), Frequency Transients, Harmonics, Power Factor). AMETEK IntelliPower products are used in a wide range of key military programs within the Army, Air Force, Navy and Marines.

To find out more about AMETEK IntelliPower capabilities, please visit our website at www.intellipower.com/capabilities.
## Uninterruptible Power System (UPS)

<table>
<thead>
<tr>
<th>IP Part #</th>
<th>FA10486</th>
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<tbody>
<tr>
<td>IP Model #</td>
<td>IHT1000WM-M-.75Kw-115-Isol-60Hz-115VAC-7BHS</td>
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<tr>
<td>Unit Description</td>
<td>1000 VA, 750 W, 115 VAC Input, Double Conversion, Rugged, Isolated, High Temperature Wall Mount On-Line UPS with 115 VAC at 60 Hz Output and Hot Swap Battery Drawer to provide Power Backup and Power Conditioning for Military Applications.</td>
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### SPECIFICATIONS

- **Power Rating (VA, Watts):** 1000 VA, 750 Watts
- **Input AC Voltage (AC Voltage, tolerance):** 115 VAC, (-10% +10%)
- **Input DC Voltage (DC Voltage, tolerance):** N/A
- **Input Frequency (Hz, tolerance):** 47 to 63 Hz
- **Input Max Current (Amps):** 10.3 Amps
- **Output AC Voltage (AC Voltage, tolerance):** 115 VAC, (+/-2%)
- **Output DC Voltage (DC Voltage, tolerance):** N/A
- **Output Frequency (Hz, follower/changer):** 60 Hz, (+/-3 Hz), changer
- **Enclosure Type & Size (type/rack unit, dimensions):** Wall mount; 28.66 x 11.38 x 9.84 inch (Height x Width x Depth)
- **Enclosure Material & Finish (aluminum/steel, finish):** Aluminum, powder coated charcoal gray
- **Enclosure Airflow (front to rear/front to side/other):** Front to top
- **Connector(s) AC Input (type, location):** 1 each MS3452L16-10P; A = N, B = Gnd, C = H Mates with: MS3456L16-10S Back shell: M85049/52-1-16N
- **Connector(s) AC Output (type, location):** 1 each MS3452L16-10S; A = N, B = Gnd, C = H Mates with: MS3456L16-10P Back shell: M85049/52-1-16N
- **Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):** CSB12580 Pb-Acid
- **Battery Total Quantity:** 7
- **Battery String Voltage:** 84 VDC
- **Battery String (number of strings, quantity per string):** 1, 7
- **Battery Minimum Run Time (approx. run time at #watts):** Approximately 30 minutes at 750 Watts
- **Battery Mounting (hot swap/fixed):** 2 Hot Swap Battery Drawers
- **Temperature:** -15°C to +60°C Operating
- **Humidity:** 5% to 95% non-condensing
- **PFC Feature:** Input power factor correction
- **Isolation (galvanic isolation/non-isolated):** Isolated
- **Application (shipboard/airborne/ground/all):** Shipboard
- **Fan Filters [EMI/dust/combination/grill]:** EMI
- **Auto Start (manual start/auto start):** Inverter output configured to start automatically; manual start available in settings
- **Cold Start Switch (yes/no):** No
- **Overload – Shutdown or Bypass (shutdown/bypass, %):** Bypass at 114%
- **Conformal Coated PCBAs (yes/no):** Yes
- **Communications (SNMP2/SNMP3/R232, type):** Ethernet/IP 8P8C (RJ-45) socket; Mates with: Ethernet/IP 8P8C (RJ-45) plug
- **Communications – Special (CIP/VMware ESX/ESXi/other):** CIP
- **Communications – Discrete (relay/opto, description):** Contact closures for Lo-batt, Inverter fail, Bypass & Charger fail
- **Breaker & Switch Input (type, location):** 2P15A Toggle switch, front panel
- **Breaker & Switch AC Output (type, location):** 1P10A Push to reset, front panel
- **Breaker & Switch DC Output (type, location):** N/A
- **Neutral Bonded to Ground (bonded/un-bonded/switch):** Toggle switch, front panel

**ISO 9001:2015 Certified Facility | TAA Compliant | Military Standards**