

## 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.



**Part #** FA10486  
**Model #** IHT1000WM-M-.75Kw-115-Isol-60Hz-115VAC-7BHS

## 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](http://www.intellipower.com/capabilities).**

## CORPORATE HEADQUARTERS

1746 N. Saint Thomas Circle Orange, CA 92865 USA  
 Tel: 714-921-1580 Fax: 714-921-4023  
 Email: ca-ora-sales@ametek.com www.intellipower.com

TAA Compliant. All products designed and manufactured in the USA.  
 9001:2015 ISO Certified Facility  
 Military Standards



Uninterruptible Power System (UPS)	
IP Part #:	FA10486
IP Model #:	IHT1000WM-M-.75Kw-115-Isol-60Hz-115VAC-7BHS
Unit Description:	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.
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
Output Sync Requirements:	N/A
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
Enclosure – Special (IP65/Zone 1):	N/A
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) DC Input (type, location):	N/A
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
Connector(s) DC Output (type, location):	N/A
Connector(s) EBP/Charger (type, location):	N/A
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/fixe d):	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/com bination/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/RS232, 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

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