

UNINTERRUPTIBLE POWER SYSTEM (UPS)

1500VA, 1250W, 85 to 265VAC, 40-400Hz Input and 120VAC, 50/60Hz Output, Double Conversion On-Line, High Temperature, Lithium Iron Phosphate Battery Hot Swap Drawer, one-inch ground stud mounted on the rear of the unit for multi-unit grounding, Rugged UPS with High Frequency Wide Range, Power Factor Correction input.



Part # FA10459

Model # IHT1500RM-M-1.25kw-WRGlobal-Isol-120v-LiFePBHS-1U24

FEATURES AND 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.

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)

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| IP Part #: | FA10459 |
| IP Model #: | IHT1500RM-M-1.25kw-WRGlobal-Isol-120v-LiFePBHS-1U24 |
| IP Description: | 1500VA, 1250W, 85 to 265VAC 40-400Hz Input and 120VAC, 50/60Hz Output, Double Conversion On-Line, High Temperature, Lithium Iron Phosphate Battery Hot Swap Drawer, One-inch ground stud mounted on the rear of the unit for multi-unit grounding, Rugged UPS with High Frequency Wide Range Power Factor Correction input. |
| Power Rating (VA, Watts): | 1500VA, 1250W |
| Input AC Voltage (AC Voltage, tolerance): | 85-265VAC, (-25% +15%) Auto Select |
| Input DC Voltage (DC Voltage, tolerance): | N/A |
| Input Frequency (Hz, tolerance): | 40-400Hz |
| Input Max Current (Amps): | 20 Amps |
| Output AC Voltage (AC Voltage, tolerance): | 120VAC Sinusoidal (±5%) |
| Output DC Voltage (DC Voltage, tolerance): | N/A |
| Output Frequency (Hz, follower/changer): | Follower 50/60Hz Output Frequency |
| Output Sync Requirements: | Output Frequency is synced to the Input Frequency. Freq. Conversion is optional. |
| Enclosure Type & Size (type/rack unit, dimensions): | Rack Mountable 1U, 1.73"H x 17" W x 24" D |
| Enclosure Material & Finish (aluminum/steel, finish): | Aluminum, clear chem. coated and powder coated, charcoal gray |
| Enclosure Airflow (front to rear/front to side/other): | Front-to-rear |
| Enclosure – Special (IP65/Zone 1): | N/A |
| Connector(s) AC Input (type, location): | IEC60320 C14 male inlet, Rear Panel for any input power cord set |
| Connector(s) DC Input (type, location): | N/A |
| Connector(s) AC Output (type, location): | 4 each NEMA 5-20R, Rear Panel for 120VAC output |
| Connector(s) DC Output (type, location): | N/A |
| Connector(s) EBP/Charger (type, location): | Not included. |
| Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): | Lithium Iron Phosphate with cell balancing control |
| Battery Total Quantity: | 28S1P pack with balance control. |
| Battery String Voltage: | 89.6 VDC |
| Battery String (number of strings, quantity per string) | 1 string, 28 Lithium Iron Phosphate batteries |
| Battery Recharge Time: | Not to exceed 5 hours at 95% |
| Battery Minimum Run Time (approx. run time at #watts): | Approximately 11 Minutes with 1000 W load |
| Battery Mounting (hot swap/fixed): | Hot Swap Front Panel Battery Drawer |
| Temperature: | Operating: -20°C to 50°C; Storage: -30°C to +65°C |
| Humidity: | 0-95%, Non-Condensing |
| PFC Feature: | Input Power Factor Correction (Meets MIL-STD 1399 Input Current Harmonics |
| Isolation (galvanic isolation/non-isolated): | Galvanically Isolated |
| Application (shipboard/airborne/ground/all): | All (Ground or Shipboard) |
| Fan Filters (EMI/dust/comboination/grill): | Grill |
| Auto Start (manual start/auto start): | Auto Start |
| Cold Start Switch (yes/no): | No |
| Overload – Shutdown or Bypass (shutdown/bypass, %): | Shutdown with load of 120% |
| Conformal Coated PCBAs (yes/no): | Yes |
| Communications (SNMP2/SNMP3/RS232, type): | SNMPV3.x 10/100/1000 Gigabit Capable |
| Grounding Apparatus | One-inch ground stud mounted to chassis for multi-unit single point grounding |
| Built in overheat protection | Unit automatically shuts down inverter at a specified overheat condition |
| Breaker & Switch Input (type, location): | One-inch ground stud mounted to chassis for multi-unit single point grounding |
| Breaker & Switch AC Output (type, location): | Unit automatically shuts down inverter at a specified overheat condition |
| Neutral Bonded to Ground (bonded/un-bonded/switch): | Locking Neutral Bonding Select Switch front panel for land or shipboard applications |
| If Switch, Factory Default Is: | TBD |
| Operating Altitude | 10,000 Feet operation & 40,000ft non-operation |
| Variable Speed Fan Control | Fan control feature built to control fan speed based on heat sink temperature |
| Sleep Mode (yes/no): | No |
| Weight: | 28-30 lbs. |

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