UNINTERRUPTIBLE POWER SYSTEM (UPS)


Part # FA00422
Model # IHT2000RM-M-1.5kw-DiAC-Isol-120v-5060-5BHS-2U26

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 32 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, Marines and Coast Guard.

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

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<th>IP Part #</th>
<th>FA00422</th>
<th>Rev. 08112020</th>
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### INPUT RATINGS

- **Input AC Voltage (AC Voltage, tolerance):** 120 or 240 VAC, (-25% +15%)
- **Input DC Voltage (AC Voltage, tolerance):** N/A
- **Input Frequency (Hz, tolerance):** 50 or 60 Hz, (+/- 5 Hz)
- **Input Max Current (Amps):** 21.9 Amps
- **PFC Feature:** input power factor correction
- **Breaker & Switch AC Input (type, location):** 2P25A Toggle on Front Panel

### OUTPUT RATINGS

- **Power Rating (VA, Watts):** 2000 VA, 1500 Watts
- **Output AC Voltage (AC Voltage, tolerance):** 120 VAC, (+/-3%)
- **Output DC Voltage (DC Voltage, tolerance):** N/A
- **Output Frequency (Hz, follower/changer):** 50 or 60 Hz, (+/-3 Hz), follower
- **Output Sync Requirements:** Synced to input
- **Isolation (galvanic isolation/non-isolated):** Isolated
- **Neutral Bonded to Ground (bonded/un-bonded/switch):** Bonded
- **Output Overload – Shutdown or Bypass:** Bypass at 115%. Resets with ON button after overload is cleared.

### MECHANICAL

- **Enclosure Type & Size (type/rack unit, dimensions):** Rackmount 2U, 3.5” x 17.0” x 26” (Height x Width x Depth)
- **Enclosure Material & Finish (aluminum/steel finish):** Aluminum, IP Gray
- **Enclosure Airflow (front to rear/front to side/other):** Front to Rear
- **Nominal Weight +/- lbs.:** 85Lbs
- **Fan Filters (EMI/dust/combination/grill):** Dust
- **Conformal Coated PCBAs (yes/no):** Yes

### INTERFACE COMMUNICATIONS

- **Serial Data Stream (SNMP v3/RS232, type):** RS232 and USB
- **Special (CIP, VMware ESX/ESXi/Other):** N/A
- **Discrete (Relay/Oppto, Description):** N/A

### ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE

- **Auto Start (manual start/auto start):** Yes
- **Cold Start Switch (Yes/No):** No

### CONNECTORS

- **Connector(s) AC Input (type, location):** IEC 60320 C20 On Rear Panel
- **Connector(s) AC Output (type, location):** 6 each NEMA 5-20R On Rear Panel
- **Connector(s) EBP/Charger (type, location):** N/A
- **Overload – Shutdown or Bypass (shutdown/bypass, %):** Bypass at 115%. Resets with ON button after overload is cleared.

### BATTERIES

- **Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):** 12V 9Ah Lead Acid
- **Battery Total Quantity:** 5
- **Battery String Voltage:** 60 VDC
- **Battery String (number of strings, quantity per string):** 1 String of 5 Batteries
- **Battery Minimum Run Time (approx. run time at #watts):** 15 Minutes at 600 Watts
- **Battery Mounting (hot swap/ fixed):** Hot Swap
- **External Battery Module (EBM) PN:** N/A
<table>
<thead>
<tr>
<th>EMI and ENVIRONMENTAL</th>
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<tr>
<td>Application (shipboard/airborne/ground/all):</td>
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<tr>
<td>Temperature (Operating):</td>
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<tr>
<td>Humidity:</td>
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ISO 9001:2015 Certified Facility | Designed to Meet Mil Standards | Specifications subject to change without notice