

## UNINTERRUPTIBLE POWER SYSTEM (UPS)

3000VA, 2500W, 120/240VAC 50/60Hz Input and 120VAC 60Hz Output



Part # FA00323

Model # IHT3000RM-I-2.5Kw-DiAC-Isol-FC60-120v-EB-4U24

## FEATURES AND BENEFITS

### Rugged & Extreme Environments

All 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.

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 IntelliPower's building block methodology, more product features and functionality are provided; without having to extend lead times or change proven designs. Over the past 25 years, 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 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.

### ISO 9001: 2008 Certified

IntelliPower is committed to customer satisfaction by delivering power system solutions and services that meet or exceed customer requirements through design innovation and continuous improvement.

To find out more about IntelliPower capabilities, please visit our website at [www.intellipower.com/capabilities](http://www.intellipower.com/capabilities).

## CORPORATE HEADQUARTERS

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All products designed and manufactured in the U.S.A.



| Uninterruptible Power System (UPS)                               |  |
|--|--|
| <b>IP Part #:</b>  | FA00323  |
| <b>IP Model #:</b>   | IHT3000RM-I-2.5Kw-DiAC-Isol-FC60-120v-EB-4U24  |
| <b>Unit Description:</b>   | 3000VA, 2500W, 120/240VAC 50/60Hz Input and 120VAC 60Hz Output   |
| SPECIFICATIONS   |  |
| <b>Power Rating (VA, Watts):</b>                                 | 3000 VA, 2500 W  |
| <b>Input AC Voltage (AC Voltage, tolerance):</b>                 | 120 or 240 VAC, (-20% +15%)  |
| <b>Input DC Voltage (DC Voltage, tolerance):</b>                 | N/A  |
| <b>Input Frequency (Hz, tolerance):</b>                          | 50 or 60 Hz, (65Hz)  |
| <b>Input Max Current (Amps):</b>                                 | 35 Amps  |
| <b>Output AC Voltage (AC Voltage, tolerance):</b>                | 120 VAC, (63%)   |
| <b>Output DC Voltage (DC Voltage, tolerance):</b>                | N/A  |
| <b>Output Frequency (Hz, follower/changer):</b>                  | 60 Hz  |
| <b>Output Sync Requirements:</b>                                 | Synced to within 1.5 Hz of Input Frequency   |
| <b>Enclosure Type &amp; Size (type/rack unit, dimensions):</b>   | 4U, 7"H x 17"W x 24"D  |
| <b>Enclosure Material &amp; Finish (aluminum/steel, finish):</b> | Aluminum   |
| <b>Enclosure Airflow (front to rear/front to side/other):</b>    | Front-to-rear  |
| <b>Enclosure – Special (IP65/Zone 1):</b>                        | N/A  |
| <b>Connector(s) AC Input (type, location):</b>                   | 1 each Three Position Screw Terminal Block, Front Panel  |
| <b>Connector(s) DC Input (type, location):</b>                   | N/A  |
| <b>Connector(s) AC Output (type, location):</b>                  | 2 each 500W 6 Position Screw Terminal Block with Four AC Outputs, Front Panel<br>1 each 500W 3 Position Screw Terminal Block with One AC Output, Front Panel<br>3 each NEMA 5-15R for Cabinet Fans, Rear Panel |
| <b>Connector(s) DC Output (type, location):</b>                  | N/A  |
| <b>Connector(s) EBP/Charger (type, location):</b>                | 1 each IEC-320 C13 for Battery Charger EBC FA00324 Power, Rear Panel<br>1 each Locking Anderson for Battery Charger EBC FA00324, Rear Panel<br>1 each Locking Anderson for Batteries, Front Panel              |
| <b>Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):</b>   | 12V55Ah, Lead Acid   |
| <b>Battery Total Quantity:</b>                                   | 16   |
| <b>Battery String Voltage:</b>                                   | 96 VDC   |
| <b>Battery String (number of strings, quantity per string)</b>   | 2, 8   |
| <b>Battery Minimum Run Time (approx. run time at #watts):</b>    | 2.75 hours at 2500 W   |
| <b>Battery Mounting (hot swap/fixed):</b>                        | Battery Array  |
| <b>Temperature:</b>  | -25C to +55C, Discharging  |
| <b>Humidity:</b>   | 0-95% Non-Condensing   |
| <b>PFC Feature:</b>  | Input Power Factor Correction  |
| <b>Isolation (galvanic isolation/non-isolated):</b>              | Galvanic Isolation   |
| <b>Application (shipboard/airborne/ground/all):</b>              | All  |
| <b>Fan Filters (EMI/dust/comboination/grill):</b>                | Dust   |
| <b>Auto Start (manual start/auto start):</b>                     | Auto Start   |
| <b>Cold Start Switch (yes/no):</b>                               | No   |
| <b>Overload – Shutdown or Bypass (shutdown/bypass, %):</b>       | Bypass at 105-110%   |
| <b>Conformal Coated PCBAs (yes/no):</b>                          | Yes  |
| <b>Communications (SNMP2/SNMP3/RS232, type):</b>                 | 1 each RS-232, DE-9 D-Subminiature, Opto-Isolated, Factory Use Only, Rear Panel<br>1 each RS-232, DE-9 D-Subminiature, Opto-Isolated, Charger Communications   |
| <b>Communications – Special (CIP/VMware ESX/ESXi/other):</b>     | N/A  |
| <b>Communications – Discrete (relay/opto, description):</b>      | Dry Contacts, 4 Position Spring Terminal Block, Front Panel  |
| <b>Breaker &amp; Switch Input (type, location):</b>              | Throw Switch, Front Panel  |
| <b>Breaker &amp; Switch AC Output (type, location):</b>          | 5 each Push to Reset, Front Panel  |
| <b>Breaker &amp; Switch DC Output (type, location):</b>          | N/A  |
| <b>Neutral Bonded to Ground (bonded/un-bonded/switch):</b>       | Toggle Switch, Front Panel   |