UNINTERRUPTIBLE POWER SYSTEM (UPS)

3000VA, 2100 Watt, 120 or 240 VAC Input, 120 VAC Output, 7 Fixed Lead Acid Batteries, 3U 22.2” Depth.

Part # FA00012
Model # IHT3000RM-DiAC-Isol-120V60HzOutput-7LB-SNMP-3U22.2

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.

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-1399-3008 (Interface requirements for AC devices; Voltage Transients (spikes), Frequency Transients, Harmonics, Power Factor). 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 IntelliPower capabilities, please visit our website at www.intellipower.com/capabilities.
## Uninterruptible Power System (UPS)

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<thead>
<tr>
<th><strong>IP Part #:</strong></th>
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**Unit Description:** Bright UPS 3000VA, 2100W Output Double Conversion Rugged High Temperature Global AC Isolated Input On Line UPS Providing Auto-Select for Inputs of either 120 or 240VAC with Output of 120VAC, 60Hz to provide Power Back UPS, Power Conversion and Power Conditioning, Frequency Conversion and Power Factor Conversion.

<table>
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<tr>
<th><strong>Power Rating (VA, Watts):</strong></th>
<th>3000VA, 2100W</th>
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<tbody>
<tr>
<td><strong>Input AC Voltage (AC Voltage, tolerance):</strong></td>
<td>120VAC or 240VAC (-25% to +15%)</td>
</tr>
<tr>
<td><strong>Input DC Voltage (DC Voltage, tolerance):</strong></td>
<td>N/A</td>
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<tr>
<td><strong>Input Frequency (Hz, tolerance):</strong></td>
<td>50/60Hz (45 to 70Hz)</td>
</tr>
<tr>
<td><strong>Input Max Current (Amps):</strong></td>
<td>31 Amps</td>
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<tr>
<td><strong>Output AC Voltage (AC Voltage, tolerance):</strong></td>
<td>120VAC (+3%)</td>
</tr>
<tr>
<td><strong>Output DC Voltage (DC Voltage, tolerance):</strong></td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Output Frequency (Hz, follower/changer):</strong></td>
<td>60 Hz Changer</td>
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<tr>
<td><strong>Output Sync Requirements:</strong></td>
<td>N/A</td>
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**Enclosure Type & Size (type/rack unit, dimensions):** 3U, 5 ¾”H x 19”W x 22.2”D

**Enclosure Material & Finish (aluminum/steel, finish):** Aluminum

**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):** Shielded power cord, 18”L with L6-20P plug

**Connector(s) DC Input (type, location):** N/A

**Connector(s) AC Output (type, location):** L5-30R Receptacle on 18” Shielded power cord

**Connector(s) DC Output (type, location):** N/A

**Connector(s) EBP/Charger (type, location):** N/A

**Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):** 12V10.5Ah Lead Acid

**Battery Total Quantity:** 7

**Battery String Voltage:** 84VDC

**Battery String (number of strings, quantity per string):** 1, 7

**Battery Minimum Run Time (approx. run time at #watts):** 10 min. for 1900W

**Battery Mounting (hot swap/fixed):** Fixed

**Temperature:** -10˚C to +50˚C operating, -40˚C to 65˚C Storage

**Humidity:** 0-95%, non-condensing

**PFC Feature:** Input Power Factor Correction

**Isolation (galvanic isolation/non-isolated):** Galvanic isolation

**Application (shipboard/airborne/ground/all):** Shipboard

**Fan Filters (EMI/dust/combination/grill):** EMI filter on front

**Auto Start (manual start/auto start):** Auto start

**Cold Start Switch (yes/no):** Yes

**Overload – Shutdown or Bypass (shutdown/bypass, %):** Shutdown at 5%-10% overload

**Conformal Coated PCBAs (yes/no):** Yes

**Communications (SNMP2/SNMP3/RS232, type):** SNMP Ethernet Port, RS232 DE-9 D-sub port

**Communications – Special (CIP/VMware ESX/ESXi/other):** N/A

**Communications – Discrete (relay/opto, description):** N/A

**Breaker & Switch Input (type, location):** 2P30A Breaker & toggle switch on front panel

**Breaker & Switch AC Output (type, location):** N/A

**Breaker & Switch DC Output (type, location):** N/A

**Neutral Bonded to Ground (bonded/un-bonded/switch):** Un-bonded