UNINTERRUPTIBLE POWER SYSTEM (UPS)

2KVA, 1.8KW High Temp, Double Conversion, Global Input, On Line, Isolated, Auto Select 120/240VAC, 50/60Hz
Input UPS with 120VAC, 60Hz Output and Power Factor Correction and Hot Swap Battery.

Part # FA00088
Model # IHT2.0KRM-C-1.8kw-DiACv-Isol-120v-FC60-SBHS-3U20al

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.
## Uninterruptible Power System (UPS)

<table>
<thead>
<tr>
<th>IP Part #</th>
<th>FA00088</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP Model #</td>
<td>IHT2.0KRM-C-1.8kw-DiACv-Isol-120v-FC60-5BHS-3U20al</td>
</tr>
<tr>
<td>Unit Description</td>
<td>2kVA, 1.8KW High Temp Double Conversion Global Input On Line Isolated Auto Select 120/240VAC, 50/60Hz Input UPS with 120VAC, 60Hz Output and Power Factor Correction and Hot Swap Battery.</td>
</tr>
</tbody>
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### SPECIFICATIONS

<table>
<thead>
<tr>
<th><strong>Power Rating (VA, Watts):</strong></th>
<th>2000 VA, 1800 W</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input AC Voltage (AC Voltage, tolerance):</strong></td>
<td>120 or 240 VAC, (-20% to +15%)</td>
</tr>
<tr>
<td><strong>Input DC Voltage (DC Voltage, tolerance):</strong></td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Input Frequency (Hz, tolerance):</strong></td>
<td>50 or 60 Hz, (+/-5Hz)</td>
</tr>
<tr>
<td><strong>Input Max Current (Amps):</strong></td>
<td>25 Amps</td>
</tr>
<tr>
<td><strong>Output AC Voltage (AC Voltage, tolerance):</strong></td>
<td>120VAC, (+/-5%)</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>
</tr>
<tr>
<td><strong>Output Sync Requirements:</strong></td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Enclosure Type &amp; Size (type/rack unit, dimensions):</strong></td>
<td>Rack Mountable, 3U, 5¼ ”H x 17”W x 20.5”D</td>
</tr>
<tr>
<td><strong>Enclosure Material &amp; Finish (aluminum/steel, finish):</strong></td>
<td>Aluminum</td>
</tr>
<tr>
<td><strong>Enclosure Airflow (front to rear/front to side/other):</strong></td>
<td>Front-to-rear</td>
</tr>
<tr>
<td><strong>Enclosure – Special (IP65/Zone 1):</strong></td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Connector(s) AC Input (type, location):</strong></td>
<td>1 each IEC-230 C20, Rear Panel</td>
</tr>
<tr>
<td><strong>Connector(s) DC Input (type, location):</strong></td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Connector(s) AC Output (type, location):</strong></td>
<td>6 each NEMA 5-20R, Rear Panel</td>
</tr>
<tr>
<td><strong>Connector(s) DC Output (type, location):</strong></td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Connector(s) EBP/Charger (type, location):</strong></td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):</strong></td>
<td>12V8.5Ah, Lead Acid</td>
</tr>
<tr>
<td><strong>Battery Total Quantity:</strong></td>
<td>5</td>
</tr>
<tr>
<td><strong>Battery String Voltage:</strong></td>
<td>60 VDC</td>
</tr>
<tr>
<td><strong>Battery String (number of strings, quantity per string):</strong></td>
<td>1, 5</td>
</tr>
<tr>
<td><strong>Battery Minimum Run Time (approx. run time at #watts):</strong></td>
<td>6 minutes at 1050 W</td>
</tr>
<tr>
<td><strong>Battery Mounting (hot swap/fixed):</strong></td>
<td>Hot Swap</td>
</tr>
<tr>
<td><strong>Temperature:</strong></td>
<td>0C to +40C Operating; -10C to 50C Storage;</td>
</tr>
<tr>
<td><strong>Humidity:</strong></td>
<td>0-95%, Non-Condensing</td>
</tr>
<tr>
<td><strong>PFC Feature:</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Isolation (galvanic isolation/non-isolated):</strong></td>
<td>Galvanic Isolation</td>
</tr>
<tr>
<td><strong>Application (shipboard/airborne/ground/all):</strong></td>
<td>Both</td>
</tr>
<tr>
<td><strong>Fan Filters (EMI/dust/combination/grill):</strong></td>
<td>Dust Filter, Front Panel; Grill Cover, Rear Panel</td>
</tr>
<tr>
<td><strong>Auto Start (manual start/auto start):</strong></td>
<td>Auto start</td>
</tr>
<tr>
<td><strong>Cold Start Switch (yes/no):</strong></td>
<td>No</td>
</tr>
<tr>
<td><strong>Overload – Shutdown or Bypass (shutdown/bypass, %):</strong></td>
<td>Bypass at 15% Overload</td>
</tr>
<tr>
<td><strong>Conformal Coated PCBAs (yes/no):</strong></td>
<td>No</td>
</tr>
<tr>
<td><strong>Communications (SNMP2/SNMP3/RS232, type):</strong></td>
<td>RS232 DE-9 D-subminiature, Opto-Isolated, Rear Panel</td>
</tr>
<tr>
<td><strong>Communications – Special (CIP/VMware ESX/ESXi/other):</strong></td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Communications – Discrete (relay/opto, description):</strong></td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Breaker &amp; Switch Input (type, location):</strong></td>
<td>Toggle Switch, Front Panel</td>
</tr>
<tr>
<td><strong>Breaker &amp; Switch AC Output (type, location):</strong></td>
<td>Push to Reset, Front Panel</td>
</tr>
<tr>
<td><strong>Breaker &amp; Switch DC Output (type, location):</strong></td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Neutral Bonded to Ground (bonded/un-bonded/switch):</strong></td>
<td>Bonded</td>
</tr>
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