

## UNINTERRUPTIBLE POWER SYSTEM (UPS)

Rugged Double Conversion High Temperature Isolated Auto Select 120/240 VAC Global Input & 120VAC Output On Line UPS System with Power Factor Correction and Hot Swappable Battery



Part # FA00316

Model # IHT2.0KRM-I-1.8kw-DiACv-Isol-120v-FC60-5BHS-3U20a1

## 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)                      |   |
|---|---|
| IP Part #:  | FA00316   |
| IP Model #:   | IHT2.0KRM-I-1.8kw-DiACv-Isol-120v-FC60-5BHS-3U20aI  |
| Unit Description:                                       | Rugged Double Conversion High Temperature Isolated Auto Select 120/240 VAC Global Input & 120VAC Output On Line UPS System with Power Factor Correction and Hot Swappable Battery |
| SPECIFICATIONS  |   |
| Power Rating (VA, Watts):                               | 2000 VA, 1800 W   |
| Input AC Voltage (AC Voltage, tolerance):               | 120 or 240 VAC, (-20% to +15%), Auto Select   |
| Input DC Voltage (DC Voltage, tolerance):               | N/A   |
| Input Frequency (Hz, tolerance):                        | 50 or 60 Hz, ( $\pm 3$ Hz)  |
| Input Max Current (Amps):                               | 25 Amps   |
| Output AC Voltage (AC Voltage, tolerance):              | 120 VAC ( $\pm 5$ %)  |
| Output DC Voltage (DC Voltage, tolerance):              | N/A   |
| Output Frequency (Hz, follower/changer):                | 60 Hz, Changer  |
| Output Sync Requirements:                               | N/A   |
| Enclosure Type & Size (type/rack unit, dimensions):     | Rack Mountable 3U, 5 $\frac{1}{4}$ "H x 17"W x 20.5"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):                 | 1 each IEC-230 C20 Plug, Rear Panel   |
| Connector(s) DC Input (type, location):                 | N/A   |
| Connector(s) AC Output (type, location):                | 6 each NEMA 5-20R, Rear Panel   |
| Connector(s) DC Output (type, location):                | N/A   |
| Connector(s) EBP/Charger (type, location):              | N/A   |
| Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): | 12V8.5Ah, Lead Acid   |
| Battery Total Quantity:                                 | 5   |
| Battery String Voltage:                                 | 60 VDC  |
| Battery String (number of strings, quantity per string) | 1, 5  |
| Battery Minimum Run Time (approx. run time at #watts):  | 6 minutes at 1050 W   |
| Battery Mounting (hot swap/fixd):                       | Hot Swap  |
| Temperature:  | 0C to +40C Operating; 0C to +50C Storage  |
| Humidity:   | 0-95%, Non-Condensing   |
| PFC Feature:  | Yes   |
| Isolation (galvanic isolation/non-isolated):            | Galvanic Isolation  |
| Application (shipboard/airborne/ground/all):            | Ground  |
| Fan Filters (EMI/dust/comboination/grill):              | Dust, Front Panel; Grill, Rear Panel  |
| Auto Start (manual start/auto start):                   | Auto Start  |
| Cold Start Switch (yes/no):                             | No  |
| Overload – Shutdown or Bypass (shutdown/bypass, %):     | Bypass at 15% Overload  |
| Conformal Coated PCBAs (yes/no):                        | No  |
| Communications (SNMP2/SNMP3/RS232, type):               | RS232 DE-9 D-subminiature, Opto-Isolated, Rear Panel  |
| Communications – Special (CIP/VMware ESX/ESXi/other):   | N/A   |
| Communications – Discrete (relay/opto, description):    | N/A   |
| Breaker & Switch Input (type, location):                | Toggle Switch, Front Panel  |
| Breaker & Switch AC Output (type, location):            | Push to Reset, Rear Panel   |
| Breaker & Switch DC Output (type, location):            | N/A   |
| Neutral Bonded to Ground (bonded/un-bonded/switch):     | Bonded  |

ISO 9001: 2008 Certified

TAA Compliant



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