

## UNINTERRUPTIBLE POWER SYSTEM (UPS)

2000VA, 1500W, AutoSelect 120/240VAC , 50/60Hz Input and 120VAC 50/60Hz Output, Double Conversion, On-Line Rugged UPS, 26 ea. Cyclon Extreme Temp Battery, Front Hot Swap Battery Drawer.



**Part Number:** FA10092

**Model Number:** IEHT2000RM-M-1.5kw-DiAC-Isol-120v-5060-26CBHS-3U22.4

## FEATURES & 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. Optional Lithium Iron Phosphate and Lead Acid Batteries are available. 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-1399-300B (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](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 #:   | FA10092   |
| IP Model #:  | IEHT2000RM-M-1.5kw-DiAC-Isol-120v-5060-26CBHS-3U22.4  |
| Unit Description:  | 2000VA, 1500W, 120/240VAC, 50/60Hz Input and 120VAC ,50/60Hz Output, Double Conversion, On-Line Rugged UPS, with Power Factor Correction, Extreme Temperature, 26 ea. Extreme Temperature Cyclon Hot Swap Batteries |
| SPECIFICATIONS   |   |
| Power Rating (VA, Watts):                                    | 2000VA, 1500W   |
| Input AC Voltage (AC Voltage, tolerance):                    | AutoSelect 120 or 240VAC, (-22% +15%)   |
| Input DC Voltage (DC Voltage, tolerance):                    | N/A   |
| Input Frequency (Hz, tolerance):                             | 50/60 Hz,   |
| Input Max Current (Amps):                                    | 22 Amps   |
| Output AC Voltage (AC Voltage, tolerance):                   | 120 VAC, (+/-3%)  |
| Output DC Voltage (DC Voltage, tolerance):                   | N/A   |
| Output Frequency (Hz, follower/changer):                     | 50/60 Hz, Frequency Follower  |
| Output Sync Requirements:                                    | Output Frequency is synced to the Input Frequency. Freq. Conversion is optional.  |
| Enclosure Type & Size (type/rack unit, dimensions):          | Rack Mountable 3U, 5.25"H x 17"W x 22.5"D )   |
| Enclosure Material & Finish (aluminum/steel, finish):        | Aluminum, clear chem. coated and powder coated charcoal gray  |
| Enclosure Airflow (front to rear/front to side/other):       | Front to Rear   |
| Enclosure – Special Sealed, IP65 or Zone 1 Explosion Proof): | N/A   |
| Connector(s) AC Input (type, location):                      | IEC-320-C20, -6 foot with power cord w/ NEMA 5-20P  |
| Connector(s) DC Input (type, location):                      | N/A   |
| Connector(s) AC Output (type, location):                     | 4 each NEMA 5-20R receptacles, 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):      | Pure Lead Extreme Temp.   |
| Battery Quantities for Alternative Battery Drawers:          | 26 ea. 2V8.0Ah<br>Batteries are rated for -60C to +80C, Operating or Storage.   |
| Battery String Voltage:                                      | 52 VDC  |
| Battery String (number of strings, quantity per string)      | 1 string of 26 ea.  |
| Battery Minimum Run Time (approx. run time at #watts):       | Approximately 5 Minutes with 1500 Watt load, 15 minutes with 700W load  |
| Battery Mounting (hot swap/fixd):                            | Front Hot Swap Battery Drawer   |
| Temperature: Operating and Storage                           | -30°C to 60°C Operating, -46°C to 71°C Storage  |
| Humidity:  | 5-95% Non-Condensing  |
| PFC Feature:   | Input Power Factor Correction   |
| Isolation (galvanic isolation/non-isolated):                 | Galvanic Isolation  |
| Application (shipboard/airborne/ground/all):                 | Ground  |
| Fan Filters (EMI/dust/combination/grill):                    | EMI   |
| Auto Start (manual start/auto start):                        | Auto Start (Field selectable for manual or autostart )  |
| Cold Start Switch (yes/no):                                  | No, optionally available  |
| Overload – Shutdown or Bypass (shutdown/bypass, %):          | Shutdown with load of 120%  |
| Conformal Coated PCBAs (yes/no):                             | Yes   |
| Communications (SNMP2/SNMP3/RS232, type):                    | SNMP version 3 Ethernet RJ45, Rear Panel  |
| Communications – Discrete (relay/opto, EPO, description):    | Remote EPO, DE9 Connector, Open contacts shuts down the Inverter output   |
| Mil Stds, EMI  | Designed to meet 461F CE102, RE102, CS101, RS103, CS114, 810, 167 & others as required.   |
| Breaker & Switch Input (type, location):                     | 25A Hydraulic magnetic Input DP Cir Bkr and Input Power Switch, Front Panel   |
| Breaker & Switch AC Output (type, location):                 | 20A Push to Reset, Hydraulic magnetic Type Output CB, Rear Panel  |
| Breaker & Switch DC Output (type, location):                 | N/A   |
| Neutral Bonded to Ground (bonded/un-bonded/switch):          | Output Neutral is bonded to chassis ground.   |
| Weight (lbs):  | Approximately 123 lbs.  |

ISO 9001: 2008 Certified

MIL-STDS



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