

## UNINTERRUPTIBLE POWER SYSTEM (UPS)

6000 VA, 4500 W, 220 VAC at 60 Hz input and 220 VAC at 60 Hz output, double conversion, rugged, high temperature, isolated, on-line UPS. Power factor correction for Navy shipboard applications.



Part # FA00307-01

Model # IHT6000RM-M-4.50Kw-220v-Isol-FC60-220v-EBMHS-3U25.6

## 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-1399-300B (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)

<b>IP Part #:</b>	FA00307-01
<b>IP Model #:</b>	IHT6000RM-M-4.50Kw-220v-Isol-FC60-220v-EBMHS-3U25.6
<b>Unit Description:</b>	6000 VA, 4500 W, 220 VAC at 60 Hz input and 220 VAC at 60 Hz output, double conversion, rugged, high temperature, isolated, on-line UPS and power factor correction for Navy shipboard applications.
<b>Power Rating (VA, Watts):</b>	6000 VA, 4500 W
<b>Input AC Voltage (AC Voltage, tolerance):</b>	220 VAC, (-25% +15%)
<b>Input DC Voltage (DC Voltage, tolerance):</b>	N/A
<b>Input Frequency (Hz, tolerance):</b>	60 Hz
<b>Input Max Current with Inverter Output (Amps):</b>	32 Amps
<b>Output AC Voltage (AC Voltage, tolerance):</b>	220 VAC, (±2%)
<b>Output DC Voltage (DC Voltage, tolerance):</b>	N/A
<b>Output Frequency (Hz, follower/changer):</b>	60 Hz follower
<b>Output Sync Requirements:</b>	Synced to input within 58.5 Hz to 61.5 Hz. 60 Hz if outside this range.
<b>Enclosure Type &amp; Size (type/rack unit, dimensions):</b>	Rack mountable 3U, 5.14" H x 17"W x 25.6"D w/front panel 1" rack ears.
<b>Enclosure Material &amp; Finish (aluminum/steel, finish):</b>	Aluminum, chem. coated, charcoal gray powder coat.
<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 NEMA L6-30P on a 3' power cord, rear panel
<b>Connector(s) DC Input (type, location):</b>	N/A
<b>Connector(s) AC Output (type, location):</b>	1 each NEMA L6-30R on a 3' power cord, rear panel
<b>Connector(s) DC Output (type, location):</b>	N/A
<b>Connector(s) EBP/Charger (type, location):</b>	2 each Locking Anderson, rear panel
<b>Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):</b>	N/A
<b>Battery Total Quantity:</b>	N/A
<b>Battery String Voltage:</b>	N/A
<b>Battery String (number of strings, quantity per string)</b>	N/A
<b>Battery Minimum Run Time (approx. run time at #watts):</b>	15 minutes @ 4500 W with EBP FA00167
<b>Battery Mounting (hot swap/fixe):</b>	N/A
<b>Temperature:</b>	-20°C to +50°C
<b>Humidity:</b>	0-95%, non-condensing
<b>PFC Feature:</b>	Input power factor correction to meet MIL-STD 1399, Section 300B
<b>Isolation (galvanic isolation/non-isolated):</b>	Galvanic isolation
<b>Application (shipboard/airborne/ground/all):</b>	Shipboard
<b>Fan Filters (EMI/dust/combination/grill):</b>	EMI
<b>Auto Start (manual start/auto start):</b>	Auto start
<b>Cold Start Switch (yes/no):</b>	Yes. Allows UPS to be started w/battery if AC power source is not on.
<b>Overload – Shutdown or Bypass (shutdown/bypass, %):</b>	Goes to bypass at 11% overload. To recover from bypass to on-line, press F1 after correcting the overload.
<b>Conformal Coated PCBAs (yes/no):</b>	Yes
<b>Communications (SNMP2/SNMP3/RS232, type):</b>	SNMP ver.3, ethernet jack, rear panel
<b>Communications – Special (CIP/VMware ESX/ESXi/other):</b>	ESX 4.0 and ESXi 5.1 networking support for graceful shutdown.
<b>Slide Rail Kit and Mounting Brackets Used:</b>	Jonathan PN: 1381050-KD
<b>Breaker &amp; Switch Input (type, location):</b>	2P40A magnetic hydraulic CB, power switch front panel
<b>Breaker &amp; Switch AC Output (type, location):</b>	2P30A magnetic hydraulic CB, push to reset, front panel
<b>UPS Weight:</b>	Approximately 93lbs.
<b>Neutral Bonded to Ground (bonded/un-bonded/switch):</b>	Locking switch on rear panel to select un-bonded for shipboard or bonded for land-based testing.

ISO 9001: 2008 Certified

MIL Standards



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