

## UNINTERRUPTIBLE POWER SYSTEM (UPS)

1000W (Dual 500W 120VAC, 60Hz & 500W 28DC Outputs), 120VAC, 50/60Hz Input, Double Conversion, On-Line UPS, 1U, High Temperature, Lithium Iron Phosphate Battery Hot Swap Drawer, Rugged UPS with Power Factor Correction. VERY LIGHT WEIGHT



Part # FA00399

Model # IHT600RM-M-1.0kw-0.5kw120vOut, 0.5kw-28vdc0.5kwOut-7BLiFeHS-1U24

## 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 I

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)

<b>IP Part #:</b>	<b>FA00399</b>
<b>IP Model #:</b>	<b>Model # IHT600RM-M-1.0kw-0.5kw120vOut, 0.5kw-28vdc0.5kwOut-7BLiFeHS-1U24</b>
<b>Unit Description:</b>	1000W, Dual 600VA, 500W 120VAC, 60Hz Output & 500W 28VDC Output, 120VAC, 50/60Hz Input Double Conversion On-Line, High Temperature, Lithium Iron Phosphate Battery Hot Swap Drawer, Rugged UPS with Power Factor Correction.
<b>Power Rating (VA, Watts):</b>	1000W (Dual 600VA, 500W for 120VAC and 500W for 28VDC)
<b>Input AC Voltage (AC Voltage, tolerance):</b>	120 VAC, (-23% +15%)
<b>Input DC Voltage (DC Voltage, tolerance):</b>	N/A
<b>Input Frequency (Hz, tolerance):</b>	50/60 Hz (45 to 65Hz)
<b>Input Max Current (Amps):</b>	15 Amps
<b>Output AC Voltage (AC Voltage, tolerance):</b>	120 VAC, (+/-3%) at 500 Watts – Non-isolated.
<b>Output DC Voltage (DC Voltage, tolerance):</b>	28 VDC at 500 Watts (Isolated)
<b>Output Frequency (Hz, follower/changer):</b>	60 Hz Frequency Converter
<b>Output Sync Requirements:</b>	Synced to input from 58 to 62Hz, 60Hz if input is outside this range
<b>Enclosure Type &amp; Size (type/rack unit, dimensions):</b>	Rack Mountable 1U, 1.75”H x 17”W x 24”D, optional rack slides
<b>Enclosure Material &amp; Finish (aluminum/steel, finish):</b>	Aluminum, clear chem. coated and powder coated, charcoal gray
<b>Enclosure Airflow (front to rear/front to side/other):</b>	Front to Rear
<b>Enclosure – Special Sealed, IP65 or Zone 1 Explosion Proof):</b>	N/A
<b>Connector(s) AC Input (type, location):</b>	1 each IEC-320 C14, Rear Panel for any input power cord set. 3 Ft Cord with NEMA 5-15P plug is included.
<b>Connector(s) DC Input (type, location):</b>	N/A
<b>Connector(s) AC Output (type, location):</b>	3 each NEMA 5-15R Receptacles on Rear Panel
<b>Connector(s) DC Output (type, location):</b>	1 each Locking Anderson, Rear Panel for DC output, finger safe
<b>Connector(s) EBP/Charger (type, location):</b>	Not included. Optional
<b>Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):</b>	12.6V Lithium Iron Phosphate (Highly Stable Chemistry)
<b>Battery Total Quantity:</b>	7
<b>Battery String Voltage:</b>	88 VDC
<b>Battery String (number of strings, quantity per string)</b>	1 string, 7 each 12.6V Lithium Iron Phosphate batteries
<b>Battery Minimum Run Time (approx. run time at #watts):</b>	Approximately 8 Minutes with 900 W load
<b>Battery Mounting (hot swap/fixed):</b>	Hot Swap Front Panel Battery Drawer
<b>Temperature:</b>	-20C to 50C
<b>Humidity:</b>	5-95% Non-Condensing
<b>PFC Feature:</b>	Input Power Factor Correction (Meets MIL-STD 1399 Input Current Harmonics
<b>Isolation (galvanic isolation/non-isolated):</b>	AC output is Non-Isolated. DC output is isolated
<b>Application (shipboard/airborne/ground/all):</b>	Ground, Transit Case
<b>Fan Filters (EMI/dust/comboination/grill):</b>	Grill
<b>Auto Start (manual start/auto start):</b>	Auto Start (Field selectable for manual or autostart)
<b>Cold Start Switch (yes/no):</b>	No, optionally available
<b>Overload – Shutdown or Bypass (shutdown/bypass, %):</b>	Shutdown with load of 120%
<b>Conformal Coated PCBAs (yes/no):</b>	Yes
<b>Communications (SNMP2/SNMP3/RS232, type):</b>	SNMP version 3.3, Ethernet RJ45, Rear Panel
<b>Communications – Discrete (relay/opto, description):</b>	Not included, Optionally available
<b>Mil Stds, EMI</b>	Meets 461 CE102, RE102, 810, 167 & others as required.
<b>Breaker &amp; Switch Input (type, location):</b>	Hydraulic magnetic DP Cir Breaker and Input Power Switch, Front Panel
<b>Breaker &amp; Switch AC Output (type, location):</b>	Push to Reset, 5A Hydraulic magnetic Type CB, Rear Panel
<b>Breaker &amp; Switch DC Output (type, location):</b>	Push to reset, Hydraulic magnetic Type CB, Rear Panel
<b>Neutral Bonded to Ground (bonded/un-bonded/switch):</b>	Un-bonded
<b>Weight (lbs):</b>	Approximately 34 lbs.

ISO 9001: 2008 Certified Facility

Military Standards



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