

UNINTERRUPTIBLE POWER SYSTEM (UPS)

1100VA, 750W, 120VAC 50/60Hz Input and 120VAC 60Hz Output, Double Conversion, On Line, High Temperature, Isolated, Rugged UPS with Power Factor Correction for Military Applications.



Part # FA00358

Model # IHT1100RM, 750W, 120 50/60Hz In, Non-Isol, 120v Out 60Hz Out, 3BFB, 2U18

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.

CORPORATE HEADQUARTERS

1746 N. Saint Thomas Circle • Orange, CA 92865 USA
Tel: 714.921.1580 • Fax: 714.921.4023
Email: sales@intellipower.com • www.intellipower.com

All products designed and manufactured in the U.S.A.



Uninterruptible Power System (UPS)	
IP Part #:	FA00358
IP Model #:	IHT1100RM, 750W, 120 50/60Hz In, Non-Isol, 120v Out 60Hz Out, 3BFB, 2U18
Unit Description:	1100VA, 750W, 120VAC 50/60Hz Input and 120VAC 60Hz Output, Double Conversion, On Line, High Temperature, Isolated, Rugged UPS with Power Factor Correction for Military Applications.
SPECIFICATIONS	
Power Rating:	1100VA, 750W
Input Voltage AC and Tolerance:	120VAC (-25% +15%)
Input Voltage DC and Tolerance:	N/A
Input Frequency and Tolerance:	50/60Hz, (±5Hz)
Input Max Current:	12 Amps
Output Voltage AC and Tolerances:	120VAC (±3%)
Output Voltage DC and Tolerances:	N/A
Output Frequency (frequency follower/changer):	60Hz Changer
Output Sync Requirements:	Synced within ±3Hz from the input frequency or fixed at 60Hz if out of this range
Enclosure Type & Size (type/rack unit, dimensions):	2U18
Enclosure Material & Finish (aluminum/steel, finish):	Steel
Enclosure Airflow (front to rear/front to side/other):	Front-to-rear
Enclosure – Special (IP65/Zone 1):	N/A
Connector(s) AC Input:	IEC-320 C14, Rear Panel
Connector(s) DC Input:	N/A
Connector(s) AC Output:	6 each NEMA 5-15R, Rear Panel
Connector(s) DC Output:	N/A
Connector(s) EBP/Charger:	N/A
Battery Type:	12V7Ah Lead Acid
Battery Total Quantity:	3
Battery String Voltage:	36VDC
Battery String (number of strings, quantity per string):	1, 3
Battery Minimum Run Time (approx. run time at #watts):	8 min. for 750W
Battery Mounting (hot swap/fixed):	Fixed
Temperature (operating, storage):	-20°C to +50°C operating
Humidity:	0-95%, non-condensing
PFC Feature:	Input Power Factor Correction
Isolation (galvanic isolation/none):	Non-Isolated
Application (shipboard/airborne/ground or all):	Ground
Fan Filters (none/EMI/dust/combo):	Dust filter on front 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
Sleep Mode (yes/no):	No
Conformal Coated PCBAs (yes/no):	Yes
Neutral Bonded to Ground (bonded/un-bonded/switch): Note: If Non-Isolated Enter Un-Bonded	Un-bonded
If Switch, Factory Default Is:	N/A
Communications (SNMP v2 or v3/RS232, software):	RS-232, Opto-Isolated
Communications – Special (CIP/VMware ESX, ESXi/other):	N/A
Communications – Discrete (relay/opto, description):	N/A

ISO 9001: 2008 Certified Facility

Military Standards

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