

UNINTERRUPTIBLE POWER SYSTEM (UPS)

400VA/250 Watt 120 VAC Input & Output Rugged Rack Mount Double Conversion High Temperature On-Line UPS & Isolated Power Conditioning System with Frequency Conversion, Power Factor Correction, Front Panel Hot Swap Battery & SNMP Communications for Military Applications in a 2U 13 inch deep enclosure.



Part # FA10287

Model # IHT400RM-M-0.25kw-120v-Isol-PFC-5LiFeBHS-2U13

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

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



Uninterruptible Power System (UPS)	
IP Part #:	FA10287
IP Model #:	IHT400RM-M-0.25kw-120v-Isol-PFC-5LiFeBHS-2U13
Unit Description:	400VA/250 Watt 120 VAC Input & Output Rugged Rack Mount Double Conversion High Temperature On-Line UPS & Isolated Power Conditioning System with Frequency Conversion, Power Factor Correction, Front Panel Hot Swap Battery & SNMP Communications for Military Applications in a 2U 13 inch deep enclosure.
SPECIFICATIONS	
Power Rating (VA, Watts):	400 VA, 250 Watt
Input AC Voltage (AC Voltage, tolerance):	120VAC (-20% +15%)
Input DC Voltage (DC Voltage, tolerance):	N/A
Input Frequency (Hz, tolerance):	60 Hz
Input Max Current (Amps):	5.22Amps
Output AC Voltage (AC Voltage, tolerance):	120VAC +/- 3%
Output DC Voltage (DC Voltage, tolerance):	N/A
Output Frequency (Hz, follower/changer):	60Hz, changer
Output Sync Requirements:	N/A
Enclosure Type & Size (type/rack unit, dimensions):	2U, 3.5" H x 17" W x 13" D
Enclosure Material & Finish (aluminum/steel, finish):	Aluminum, FS-050
Enclosure Airflow (front to rear/front to side/other):	Front-to-rear
Enclosure – Special (IP65/Zone 1):	No
Connector(s) AC Input (type, location, pin outs):	IEC-320C14
Connector(s) DC Input (type, location, pin outs):	N/A
Connector(s) AC Output (type, location, pin outs):	4 ea NEMA 5-15 Receptacles
Connector(s) DC Output (type, location, pin outs):	N/A
Connector(s) EBP/Charger (type, location, pin outs):	N/A
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):	12.8V2.6Ah, LiFeO4
Battery Total Quantity:	5
Battery String Voltage:	60
Battery String (number of strings, quantity per string)	1, 5
Battery Minimum Run Time (approx. run time at #watts):	11 minutes at 250 W
Battery Run Current: (Start/End of Battery)	6.25Adc
Battery Mounting (hot swap/fixed):	Hot swap
Temperature (operating, storage):	20°C to +60°C Operating
Humidity:	5 to 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):	EMI
Auto Start (manual start/auto start):	Yes
Cold Start Switch (yes/no):	No
Overload – Shutdown or Bypass (shutdown/bypass, %):	Bypass at 110%
Conformal Coated PCBAs (yes/no):	Yes
Communications (SNMP2/SNMP3/RS232, type):	SNMP RJ45
Communications – Special (CIP/VMware ESX/ESXi/other):	N/A
Communications – Discrete (relay/opto, description):	N/A
Breaker & Switch Input (rating, type, location):	2P7.0A on front panel, P/N 5500257
Breaker & Switch AC Output (rating, type, location):	1P4A, P/N 5500231, on rear panel
Breaker & Switch DC Output (rating, type, location):	N/A
Neutral Bonded to Ground (bonded/un-bonded/switch):	Bonded
Note: If Non-Isolated Enter Un-Bonded	

ISO 9001: 2008 Certified Facility

Military Standards

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