

UNINTERRUPTIBLE POWER SYSTEM (UPS)

Bright UPS 1500VA, 1250W, 115VAC 50/60Hz Input and 120VAC, 50/60Hz Output, Double Conversion Isolated Rugged High Temperature On Line UPS with Power Factor Correction for Navy Shipboard Applications.



Part # FA10096

Model # IHT1500RM-M-1.25kw-115v-Isol-115v-50/60-4BHS-2U21

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 #:	FA10096
IP Model #:	IHT1500RM-M-1.25kw-115v-Isol-115v-50/60-4BHS-2U21
Unit Description:	Bright UPS 1500VA, 1250W, 115VAC 50/60Hz Input and 120VAC, 50/60Hz Output, Double Conversion Isolated Rugged High Temperature On Line UPS with Power Factor Correction for Navy Shipboard Applications
SPECIFICATIONS	
Power Rating (VA, Watts):	1500VA, 1250W
Input AC Voltage (AC Voltage, tolerance):	115VAC (-15% to +15%) (Shipboard)
Input DC Voltage (DC Voltage, tolerance):	N/A
Input Frequency (Hz, tolerance):	50/60Hz (45 to 400Hz)
Input Max Current (Amps):	16.85A
Output AC Voltage (AC Voltage, tolerance):	115VAC, ±3%
Output DC Voltage (DC Voltage, tolerance):	N/A
Output Frequency (Hz, follower/changer):	50/60Hz
Output Sync Requirements:	Follower
Enclosure Type & Size (type/rack unit, dimensions):	2U, 3.5"H x 17"W x 21"D
Enclosure Material & Finish (aluminum/steel, finish):	Aluminum
Enclosure Airflow (front to rear/front to side/other):	Front-to-Rear
Enclosure – Special (IP65/Zone 1):	N/A
Connector(s) AC Input (type, location, pin outs):	3-Position Terminal Block
Connector(s) DC Input (type, location, pin outs):	N/A
Connector(s) AC Output (type, location, pin outs):	3 each NEMA 5-15R2
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):	Sealed Maintenance Free, Lead Acid
Battery Total Quantity:	4 Batteries
Battery String Voltage:	48VDC Nominal
Battery String (number of strings, quantity per string)	1 String of 4
Battery Minimum Run Time (approx. run time at #watts):	5 minutes for a load of 1250W.
Battery Run Current: (Start/End of Battery)	39A
Battery Mounting (hot swap/fixed):	Hot Swap
Temperature (operating, storage):	-15C to +50C Operating & Storage
Humidity:	0 to 95%, Non-Condensing
PFC Feature:	Input Power Factor Correction
Isolation (galvanic isolation/non-isolated):	Galvanic Input to Output Isolation.
Application (shipboard/airborne/ground/all):	Shipboard
Fan Filters (EMI/dust/comboination/grill):	EMI
Auto Start (manual start/auto start):	Auto-Start
Cold Start Switch (yes/no):	Yes
Overload – Shutdown or Bypass (shutdown/bypass, %):	Automatic bypass for UPS failure or overload at 15% overload
Conformal Coated PCBAs (yes/no):	Yes
Communications (SNMP2/SNMP3/RS232, type):	SNMP (v.3.3)
Communications – Special (CIP/VMware ESX/ESXi/other):	N/A
Communications – Discrete (relay/opto, description):	N/A

ISO 9001: 2008 Certified

Mil Standards

**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.

