

UNINTERRUPTIBLE POWER SYSTEM (UPS)

Bright UPS 2500VA 1800W, 115VAC 3Ph, 400Hz Input and 115VAC (300W) 28VDC (1500W) Output.



Part # FA10016

Model # IHT2500RM-M-1.8Kw-115V-1PH/3PH-Isol-115VAC-28VDC-32CBHS-4U24

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 #:	FA10016
IP Model #:	IHT2500RM-M-1.8Kw-115V-1PH/3PH-Isol-115VAC-28VDC-32CBHS-4U24
Unit Description:	Bright UPS 2500VA 1800W, 115VAC 3Ph, 400Hz Input and 115VAC (300W) 28VDC (1500W) Output
SPECIFICATIONS	
Power Rating (VA, Watts):	2500VA, 1800W
Input AC Voltage (AC Voltage, tolerance):	115VAC, 3Ph (-20% +15%);115VAC, (-8% +15%)-[For bench test only]
Input DC Voltage (DC Voltage, tolerance):	N/A
Input Frequency (Hz, tolerance):	350Hz to 650Hz; 50/60Hz (±5Hz)-(For bench test only)
Output AC Voltage (AC Voltage, tolerance):	115VAC, (±3%)-300W
Output DC Voltage (DC Voltage, tolerance):	28VDC, (±1.0V)-1500W
Output Frequency (Hz, follower/changer):	60Hz, (Synced within ±3Hz from the input frequency or fixed at 60Hz if outside of this range)
Output Sync Requirements:	N/A
Enclosure Type & Size (type/rack unit, dimensions):	4U, 7.0"H x 17"W x 24"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):	Cir Mil MS3452L18-11P Terminal Block-[For bench test only]
Connector(s) DC Input (type, location):	N/A
Connector(s) AC Output (type, location):	(2 each) Cir Mil MS3452L10SL-3S
Connector(s) DC Output (type, location):	(7 each) Cir Mil MS3452L16-11S
Connector(s) EBP/Charger (type, location):	N/A
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):	2V8.0AH Cyclon Batteries
Battery Total Quantity:	32
Battery String Voltage:	1
Battery String (number of strings, quantity per string)	1 string, 32 batteries
Battery Minimum Run Time (approx. run time at #watts):	Approx. 5min with a load of 1800W
Battery Mounting (hot swap/fixing):	Hot Swap
Temperature:	-20C to +55C
Humidity:	0 to 95%, non-condensing
PFC Feature:	Yes
Isolation (galvanic isolation/non-isolated):	Yes
Application (shipboard/airborne/ground/all):	Airborne
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, %):	Shutdown at 10% Overload
Conformal Coated PCBAs (yes/no):	Yes
Communications (SNMP2/SNMP3/RS232, type):	RS-232
Communications – Special (CIP/VMware ESX/ESXi/other):	N/A
Communications – Discrete (relay/opto, description):	N/A
Breaker & Switch Input (type, location):	3P10A Circuit Breaker Switch 2P30A Circuit Breaker Switch
Breaker & Switch AC Output (type, location):	1 each 1P3A
Breaker & Switch DC Output (type, location):	7 each 1P25A PR
Neutral Bonded to Ground (bonded/un-bonded/switch):	Un-Bonded

ISO 9001: 2008 Certified

TAA Compliant



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