

UNINTERRUPTIBLE POWER SYSTEM (UPS)

Bright UPS 3000VA, 2700W, Isolated Global Single Phase 60Hz Input and 120VAC, 60Hz Output, Double Conversion Input On Line UPS and Power Conditioning System with 9 Large Hot Swap Batteries and Power Factor Correction for Military Applications



Part # FA10033

Model # IHT3000RM-M-2.7kw-DiAC-Isol-FC60-120v-9LBHS-3U26TCG

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 #:	FA10033
IP Model #:	IHT3000RM-M-2.7kw-DiAC-Isol-FC60-120v-9LBHS-3U26TCG
Unit Description:	Bright UPS 3000VA, 2700W, Isolated Global Single Phase 60Hz Input and 120VAC, 60Hz Output, Double Conversion Input On Line UPS and Power Conditioning System with 9 Large Hot Swap Batteries and Power Factor Correction for Military Applications
SPECIFICATIONS	
Power Rating (VA, Watts):	3000VA, 2700 Watts
Input AC Voltage (AC Voltage, tolerance):	120/240VAC (-25% +15%)
Input DC Voltage (DC Voltage, tolerance):	N/A
Input Frequency (Hz, tolerance):	50/60Hz
Input Max Current (Amps):	37.64
Output AC Voltage (AC Voltage, tolerance):	120VAC, ±2%
Output DC Voltage (DC Voltage, tolerance):	N/A
Output Frequency (Hz, follower/changer):	60 Hz, Changer
Output Sync Requirements:	N/A
Enclosure Type & Size (type/rack unit, dimensions):	3U, 5.25"H x 17"W x 26"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):	L6-30P1 Connector on a 6 foot pigtail
Connector(s) DC Input (type, location):	N/A
Connector(s) AC Output (type, location):	10 each NEMA 5-20R Receptacles which accept NEMA 5-15P & 5-20P plugs
Connector(s) DC Output (type, location):	N/A
Connector(s) EBP/Charger (type, location):	N/A
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):	12V10.5AH PbAcid
Battery Total Quantity:	9
Battery String Voltage:	108V
Battery String (number of strings, quantity per string)	1
Battery Minimum Run Time (approx. run time at #watts):	Approx 10 minutes for a load of 2400 Watts Approx 8 minutes for a load of 2700 Watts
Battery Mounting (hot swap/fixed):	HOT SWAP
Temperature:	-15°C to +40°C Operating
Humidity:	0 to 95%, non-condensing
PFC Feature:	On F Board
Isolation (galvanic isolation/non-isolated):	Galvanic Isolation
Application (shipboard/airborne/ground/all):	Shipboard & Ground
Fan Filters (EMI/dust/comboination/grill):	EMI
Auto Start (manual start/auto start):	Manual
Cold Start Switch (yes/no):	No
Overload – Shutdown or Bypass (shutdown/bypass, %):	Shutdown @ 115%
Conformal Coated PCBAs (yes/no):	yes
Communications (SNMP2/SNMP3/RS232, type):	Ethernet RJ45 Port and SNMP 2.43
Communications – Special (CIP/VMware ESX/ESXi/other):	None
Communications – Discrete (relay/opto, description):	None
Breaker & Switch Input (type, location):	2P 40A on Front Panel
Breaker & Switch AC Output (type, location):	1P25A Press to reset
Breaker & Switch DC Output (type, location):	N/A
Neutral Bonded to Ground (bonded/un-bonded/switch):	Switch

ISO 9001: 2008 Certified

TAA Compliant

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