

UNINTERRUPTIBLE POWER SYSTEM (UPS)

Bright UPS 3000VA, 2100W, 28VDC Input and 28VDC, 120VAC 60Hz Output, Double Conversion, On-Line, Sealed High Temperature, Rugged UPS for Military Applications.



Part # FA10036

Model # IHTS3000RM-M-2.1kw-GWRACin-28VDCin-120v-28VDC-EBP-4U26-IP65

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 Supply (UPS)	
IP Part #:	FA10036
IP Model #:	IHTS3000RM-M-2.1kw-GWRACin-28VDCin-120v-28VDC-EBP-4U26-IP65
Unit Description:	Bright UPS 3000VA, 2100W, 28VDC Input and 28VDC, 120VAC 60Hz Output, Double Conversion, On-Line, Sealed High Temperature, Rugged UPS for Military Applications.
Specifications	
Power Rating (VA, Watts):	3KVA/2100W
Input AC Voltage (AC Voltage, tolerance):	80-265VAC
Input DC Voltage (DC Voltage, tolerance):	28VDC (22Vdc- 32Vdc)
Input Frequency (Hz, tolerance):	50/60Hz
Input Max Current (Amps):	131.6Amps DC/ 34.05Amp AC
Output AC Voltage (AC Voltage, tolerance):	120V +/- 3%
Output DC Voltage (DC Voltage, tolerance):	28VDC +/- 3%
Output Frequency (Hz, follower/changer):	60Hz AC Frequency Changer
Output Sync Requirements:	60Hz +-3%
Enclosure Type & Size (type/rack unit, dimensions):	4U, 7"H x 17"W x 26"D, 19"W with Ears
Enclosure Material & Finish (aluminum/steel, finish):	Aluminum
Enclosure Airflow (front to rear/front to side/other):	Sealed Front to Back
Enclosure – Special (IP65/Zone 1):	IP65
Connector(s) AC Input (type, location, pin outs):	Cir Mil MS3452L20-19P
Connector(s) DC Input (type, location, pin outs):	Cir Mil CA02COME28A-16PB
Connector(s) AC Output (type, location, pin outs):	Cir Mil MS3452L16-10S
Connector(s) DC Output (type, location, pin outs):	Cir Mil MS3452L24-12S
Connector(s) EBP/Charger (type, location, pin outs):	Cir Mil MS3452L20-15S
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):	Lead Acid
Battery Total Quantity:	12
Battery String Voltage:	72Vdc
Battery String (number of strings, quantity per string)	2 strings of 6 batteries
Battery Minimum Run Time (approx. run time at #watts):	15min with a load of 2000W
Battery Mounting (hot swap/fixed):	Hot Swap in External Battery Pack
Temperature (operating, storage):	0-50C
Humidity:	5 to 95%, non-condensing
PFC Feature:	Part of Model F Board
Isolation (galvanic isolation/non-isolated):	AC/DC Isolated
Application (shipboard/airborne/ground/all):	Ground in Vehicle
Fan Filters (EMI/dust/comboination/grill):	EMI/Dust
Auto Start (manual start/auto start):	Manual Start
Cold Start Switch (yes/no):	no
Overload – Shutdown or Bypass (shutdown/bypass, %):	Shutdown 115%
Sleep Mode (yes/no):	No
Conformal Coated PCBAs (yes/no):	Yes
Neutral Bonded to Ground (bonded/un-bonded/switch):	Bonded
Note: If Non-Isolated Enter Un-Bonded	
If Switch, Factory Default Is:	NA
Communications (SNMP2/SNMP3/RS232, type):	SNMP 3.3
Communications – Special (CIP/VMware ESX/ESXi/other):	NA
Communications – Discrete (relay/opto, description):	N/A
Weight Limit with Batteries:	150lbs UPS 100 lbs Battery Pack
Breaker & Switch Input (rating, type, location):	2P35AIP65
Breaker & Switch AC Output (rating, type, location):	1P5.0A Press to reset with Boot

ISO 9001: 2008 Certified Facility

Military Standards

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