

UNINTERRUPTIBLE POWER SYSTEM (UPS)

3000VA, 2600W, 240VAC at 50/60Hz Input and 120VAC at 60Hz Output, Double Conversion Rugged High Temperature Isolated On Line UPS with Hot Swap Battery Drawer and Power Factor Correction for Military Applications.



Part # FA00423

Model # IHT3000RM-M-2.6Kw-240v-Isol-FC60-120v-8BHS-2U23.6

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 #:	FA00423
IP Model #:	IHT3000RM-M-2.6Kw-240v-Isol-FC60-120v-8BHS-2U23.6
Unit Description:	3000VA, 2600W, 240VAC at 50/60Hz Input and 120VAC at 60Hz Output, Double Conversion Rugged High Temperature Isolated On Line UPS with Hot Swap Battery Drawer and Power Factor Correction for Military Applications.
SPECIFICATIONS	
Power Rating (VA, Watts):	3000VA, 2600W
Input AC Voltage (AC Voltage, tolerance):	240VAC (-20% +15%)
Input DC Voltage (DC Voltage, tolerance):	N/A
Input Frequency (Hz, tolerance):	50/60Hz
Input Max Current (Amps):	17.67 Amps
Output AC Voltage (AC Voltage, tolerance):	120VAC, ±2%
Output DC Voltage (DC Voltage, tolerance):	N/A
Output Frequency (Hz, follower/changer):	60Hz Changer (Synched to input if within 58.5 to 61.5Hz, 60Hz otherwise.)
Output Sync Requirements:	See above
Enclosure Type & Size (type/rack unit, dimensions):	2U, 3.46"H x 17"W x 23.6"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):	NEMA L6-20P Twist Lock Plug on 3' power cord
Connector(s) DC Input (type, location, pin outs):	N/A
Connector(s) AC Output (type, location, pin outs):	1 each L5-30R Twist Lock Receptacle on 3' pig tail
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):	12.8 Volt, 2.6Ah Power Cells, 4-pack, Lithium Iron Phosphate
Battery Total Quantity:	8
Battery String Voltage:	96
Battery String (number of strings, quantity per string)	1, 8
Battery Minimum Run Time (approx. run time at #watts):	45 seconds at 2600 Watts
Battery Run Current: (Start/End of Battery)	40.63Amps DC
Battery Mounting (hot swap/fixe):	hot swap
Temperature (operating, storage):	-20 to 50C
Humidity:	5-95% non-condensing
PFC Feature:	Power Factor Correction
Isolation (galvanic isolation/non-isolated):	Galvanic isolation Input transformer
Application (shipboard/airborne/ground/all):	Ground.
Fan Filters (EMI/dust/combinatio/grill):	None
Auto Start (manual start/auto start):	Auto Start. Inverter is turned when power is applied & input power switch is ON.
Cold Start Switch (yes/no):	No
Overload – Shutdown or Bypass (shutdown/bypass, %):	Bypass on 15% overload, UPS fail. Press F1 to go on line after correcting the overload condition
Conformal Coated PCBAs (yes/no):	Yes
Communications (SNMP2/SNMP3/RS232, type):	SNMP V3
Communications – Special (CIP/VMware ESX/ESXi/other):	N/A
Communications – Discrete (relay/opto, description):	Normally Closed EPO loop
Breaker & Switch Input (rating, type, location):	2P20A, toggle
Breaker & Switch AC Output (rating, type, location):	1P25A Press to reset Rear Panel
Breaker & Switch DC Output (rating, type, location):	N/A
Neutral Bonded to Ground (bonded/un-bonded/switch):	Switch
Note: If Non-Isolated Enter Un-Bonded	
If Switch, Factory Default Is:	Bonded
Controls – Special (load shedding/other):	N/A
Controls – Remote (EPO/cold start/other):	EPO, Emergency Power Off, function. Normally closed; Pins 8 & 9.
Sleep Mode (yes/no):	N/A
Weight:	85lbs.

ISO 9001:2015 Certified Facility

Military 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.

