

UNINTERRUPTIBLE POWER SYSTEM (UPS)

3000 VA, 2700 W, 220 VAC at 60 Hz input and 220 VAC at 60 Hz output, double conversion, rugged, high temperature, isolated, on-line UPS with hot swap battery drawer and optional EBP, with power factor correction for Navy shipboard applications.



Part # FA10281

Model # IHT3000RM-M-2.70Kw-220v-Isol-FC60-220v-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

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All products designed and manufactured in the U.S.A.



Uninterruptible Power System (UPS)

IP Part #:	FA10281
IP Model #:	IHT3000RM-M-2.70Kw-220v-Isol-FC60-220v-8BHS-2U23.6
Unit Description:	3000 VA, 2700 W, 220 VAC at 60 Hz input and 220 VAC at 60 Hz output, double conversion, rugged, high temperature, isolated, on-line UPS with hot swap battery drawer and optional EBP, with power factor correction for Navy shipboard applications.
Power Rating (VA, Watts):	3000 VA, 2700 W
Input AC Voltage (AC Voltage, tolerance):	220VAC, (-15% +15%)
Input DC Voltage (DC Voltage, tolerance):	N/A
Input Frequency (Hz, tolerance):	50 or 60 Hz
Input Max Current with Inverter Output (Amps):	21.26 Amps
Output AC Voltage (AC Voltage, tolerance):	220 VAC, (±3%)
Output DC Voltage (DC Voltage, tolerance):	N/A
Output Frequency (Hz, follower/changer):	60 Hz changer
Output Sync Requirements:	Synced to input within 58.5 Hz to 61.5 Hz, 60 Hz if outside this range.
Enclosure Type & Size (type/rack unit, dimensions):	Rack mountable 2U, 3.46"H x 17"W x 24.4"D w/front panel 1" rack ears.
Enclosure Material & Finish (aluminum/steel, finish):	Aluminum, chem. coated, charcoal gray powder coat.
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):	1 each NEMA L6-20P on 3' power cord, rear panel
Connector(s) DC Input (type, location):	N/A
Connector(s) AC Output (type, location):	1 each NEMA L6-15R on 3' power cord, rear panel
Connector(s) DC Output (type, location):	N/A
Connector(s) EBP/Charger (type, location):	Locking Anderson, rear panel
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):	12V5.2Ah lead acid
Battery Total Quantity:	8; Optional EBP has 16 more
Battery String Voltage:	96 VDC
Battery String (number of strings, quantity per string)	1 string, 8 batteries per string
Battery Minimum Run Time (approx. run time at #watts):	3.2 minutes @ 2500 W with internal batteries 15 minutes @ 2700 W with EBP FA00346
Battery Mounting (hot swap/fixe d):	Front panel hot swap drawer
Operating Temperature:	-20°C to +50°C
Humidity:	0-95%, non-condensing
PFC Feature:	Input power factor correction to meet MIL-STD 1399, section 300B
Isolation (galvanic isolation/non-isolated):	Galvanic isolation
Application (shipboard/airborne/ground/all):	Shipboard
Fan Filters (EMI/dust/com bination/grill):	EMI
Auto Start (manual start/auto start):	Auto start
Cold Start Switch (yes/no):	Yes, allows UPS to be started w/battery if AC power source is not on.
Overload – Shutdown or Bypass (shutdown/bypass, %):	Goes to bypass at 11% overload. To recover from bypass to on-line, press F1 after correcting the overload.
Conformal Coated PCBAs (yes/no):	Yes
Communications (SNMP2/SNMP3/RS232, type):	SNMP ver.3, Ethernet jack, rear panel
Communications – Special (CIP/VMware ESX/ESXi/other):	ESX 4.0 and ESXi 5.1 networking support for graceful shutdown.
Slide Rail Kit and Mounting Brackets Used (Optional):	Jonathan PN: 1381051-KD for 24RU Rack
Breaker & Switch Input (type, location):	2P20A magnetic hydraulic CB power switch, front panel
Breaker & Switch AC Output (type, location):	1P15A magnetic hydraulic CB, push to reset, front panel
UPS Weight	Approximately 92lbs.
Neutral Bonded to Ground (bonded/un-bonded/switch):	Locking switch on rear panel to select un-bonded for shipboard or bonded for land-based testing.

ISO 9001: 2008 Certified

MIL Standards

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