

UNINTERRUPTIBLE POWER SYSTEM (UPS)

6000 VA, 3700 Watt, dual output 115 VAC at 1200 Watts and 208 VAC at 2500 Watts.



Part # FA10181

Model # IHT6000RM-M-3.7kw-115VAC-Isol-FC60-208/115VAC-3U24-EBP

FEATURES AND BENEFITS

Rugged & Extreme Environments

All AMETEK 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.

AMETEK 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 AMETEK IntelliPower's building block methodology, more product features and functionality are provided without having to extend lead times or change proven designs. For over 32 years, AMETEK 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 AMETEK 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). AMETEK IntelliPower products are used in a wide range of key military programs within the Army, Air Force, Navy, Marines and Coast Guard.

To find out more about AMETEK IntelliPower capabilities, please visit our website at www.intellipower.com/capabilities.

CORPORATE HEADQUARTERS

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Uninterruptible Power System (UPS)	
IP Part #:	FA10181
IP Model #:	IHT6000RM-M-3.7kw-115VAC-Isol-FC60-208/115VAC-3U24-EBP
IP Description:	6000 VA, 3700 Watt, dual output 115 VAC at 1200 Watts and 208 VAC at 2500 Watts.
INPUT RATINGS	
Input AC Voltage (AC Voltage, tolerance):	120 VAC, (-20% +15%)
Input DC Voltage (AC Voltage, tolerance):	N/A
Input Frequency (Hz, tolerance):	50 or 60 Hz, (+/- 5 Hz)
Input Max Current (Amps):	57.9 Amps
PFC Feature:	Input power factor correction
Breaker & Switch AC Input (type, location):	2P60A, toggle
OUTPUT RATINGS	
Power Rating (VA, Watts):	6000 VA, 3700 Watts
Output AC Voltage (AC Voltage, tolerance):	1 - 208 VAC, (+/-3%) at 2500 Watts; 2 - 115 VAC, (+/-3%) at 1200 Watts
Output DC Voltage (DC Voltage, tolerance):	N/A
Output Frequency (Hz, follower/changer):	60 Hz, (+/-3 Hz), changer
Output Sync Requirements:	Sync to within +/- 0.5 Hz of input frequency
Isolation (galvanic isolation/non-isolated):	Isolated
Neutral Bonded to Ground (bonded/un-bonded/switch):	Switch
Output AC Breaker & Switch (type, location):	1 - 1 each 2P20A, toggle; 2- 1 each 1P20A, push to reset
Output Overload – Shutdown or Bypass:	Bypass at 115%
MECHANICAL	
Enclosure Type & Size (type/rack unit, dimensions):	3U, rack mountable;
Enclosure Material & Finish (aluminum/steel finish):	5.25 x 17 x 24 inches (Height x Width x Depth)
Enclosure Airflow (front to rear/front to side/other):	Front to rear
Fan Filters (EMI/dust/comboination/grill):	EMI
Conformal Coated PCBAs (yes/no):	Included
INTERFACE COMMUNICATIONS	
Serial Data Stream (SNMP v3/RS232, type):	SNMPv3
Special (CIP, VMware ESX/ESXi/Other):	N/A
Discrete (Relay/Opto, Description):	N/A
ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE	
Auto Start (manual start/auto start):	Inverter output configured to start automatically, manual start available in settings
Cold Start Switch (Yes/No):	No
CONNECTORS	
Connector(s) AC Input 1 (type, location):	1 each MS3452L22-2P; Panel mounted, rear
Connector(s) AC Output 1 (type, location):	1 each NEMA L6-30R; Panel mounted, rear
Connector(s) AC Output 2 (type, location):	2 each NEMA 5-20R; Panel mounted, rear
Connector(s) EBP/Charger (type, location):	1 each Elcon4-21-4; Panel mounted, rear
Overload – Shutdown or Bypass (shutdown/bypass, %):	Bypass at 115%
BATTERIES	
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):	12V8.5Ah Pb-Acid
Battery Total Quantity:	14
Battery String Voltage:	96 and 72 VDC
Battery String (number of strings, quantity per string):	2
Battery Minimum Run Time 1 (approx. run time at #watts):	Approximately 5 minutes at 2500 Watts
Battery Minimum Run Time 2 (approx. run time at #watts):	Approximately 13 minutes at 1200 Watts
Battery Mounting (hot swap/fixe):	None internal, 1 each external battery pack (EBP)
External Battery Module (EBM) PN:	FA10214

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EMI and ENVIRONMENTAL	
Application (shipboard/airborne/ground/all):	Shipboard, ground
Temperature (Operating):	-10°C to 50°C (Celsius)
Humidity:	5 to 95% non-condensing

ISO 9001:2015 Certified Facility | Designed to Meet Mil Standards | Specifications subject to change without notice

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