UNINTERRUPTIBLE POWER SYSTEM (UPS)

6600VA, 5800W, 440 VAC 3Ph 60Hz Isolated Input, 220 VAC 1Ph 60Hz Output, Freq Changer, 4U26, L16-20P, L6-30R, SNMP, w/ Anderson EBP, Double Conversion, Rugged, High Temperature, On-line UPS with Hot Swap Battery Drawer and Power Factor Correction.





Part # FA10470
Model # IHT6600RM-M-5.8KW-440V 3Ph-ISOL-FC60-220V-4U26-EBP

FEATURES AND BENEFITS

Rugged & Extreme Environments

All IntelliPower systems utilize circuit boards, chassis, components and construction techniques that are **specifically designed for extreme environments,** i.e., rugged, challenging thermal and/or shock and vibration applications. In today's marketplace, so called "ruggedized" repackaged commercial products are often billed as "built for harsh environments". AMETEK IntelliPower systems incorporate in house developed modular design elements specifically selected and/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 universal 88-265 VAC, single or 3 phase, 45-440Hz and/or DC voltage inputs and outputs. Enabling the use of any power source.

IntelliPower offers power management software along with many standard communications protocols such as SNMP, Ethernet/IP – Common Industrial Protocol (CIP) , RS-232, USB and Dry/Discrete Contacts. The sum total of these technological features equals the ultimate interface with and protection of 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 30 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 including IP65 completely sealed systems.

Designed and Manufactured in the USA

The 30+ years of engineering and technological expertise has enabled us to develop, refine and prove the performance of products since 1988 to **100% user satisfaction**. For the end user, this translates into shorter lead times from design to shipping as well as level of personalized service unequalled in the marketplace. Our mission is to provide the customer with the highest standard of support, quality control and product reliability.

Military Standards Compliance

AMETEK IntelliPower systems are **designed to meet military standards**. Our standard build practices, have enabled certified compliance to a number of performance standards for select models and product families, e.g., 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 (shipboard Interface requirements for AC devices; Voltage Transients (spikes), Frequency Transients, Harmonics, Power Factor). IntelliPower products have proven performance in a wide range of key rugged military programs within the Army, Air Force, Navy and Marines. Certification by independent labs of individual systems can also be arranged.

CORPORATE HEADQUARTERS
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All products designed, manufactured & supported in the USA.

TAA Compliant

Uninterruptible Power System (UPS)		
IP Part #:	FA10470	Rev. 08112020
IP Model #:	IHT6600RM-M-5.8KW-440V 3Ph-ISOL-FC60-220V-4U26.6-EBP	
IP Description:	6600VA, 5800W, 440VAC 3Ph 60Hz Isolated Input, 220VAC 60Hz Output, Freq Changer, EBP, 4U26.6, L16-20P AC Input Panel Mount, L6-30R AC Output Panel Mount, SNMP, 2 x 2 Anderson EBP, Neutral Bonding Switch, with Slide Kit for 32RU Rack, Double Conversion, Rugged, High Temperature, On-line UPS with Power Factor Correction.	

INPUT RATINGS	
Input AC Voltage (AC Voltage, tolerance):	440 VAC, 3Ph -8% / +8% (405 VAC to 475 VAC)
Input DC Voltage (AC Voltage, tolerance):	N/A
Input Frequency (Hz, tolerance):	60 Hz +/- 3 Hz
Input Max Current (Amps):	17.9 Amps
PFC Feature:	Input Power Factor Correction to meet MIL-STD-1399-300B.
Breaker & Switch AC Input (type, location):	3P, 10A, 440 VAC, Magnetic Hydraulic Circuit Breaker, Toggle Handle, Front Panel
OUTPUT RATINGS	
Power Rating (VA, Watts):	6600 VA, 5800 W
Output AC Voltage (AC Voltage, tolerance):	220 VAC, (+/-4%)
Output DC Voltage (DC Voltage, tolerance):	N/A
Output Frequency (Hz, follower/changer):	60Hz Changer
Output Sync Requirements:	N/A
Isolation (galvanic isolation/non-isolated):	Galvanic Isolation
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.
Output AC Breaker & Switch (type, location):	1P, 30A, Magnetic Hydraulic Circuit Breaker, Push to Reset, Rear Panel
Output Overload – Shutdown or Bypass:	Shutdown at 110% of Full Load. Remove Overload and Cycle Input AC Breaker to Reset.
MECHANICAL	
Enclosure Type & Size (type/rack unit, dimensions):	Rack Mountable 4U, 7.0”H x 17”W x 26.625”D (Excluding Panel Hardware and Ears)
Enclosure Material & Finish (aluminum/steel finish):	Aluminum, Chem Film Coated with Charcoal Gray Powder Coat
Enclosure Airflow (front to rear/front to side/other):	Front to Rear
Nominal Weight +/- lbs.:	150 lbs.
Fan Filters (EMI/dust/combination/grill):	EMI
Conformal Coated PCBAs (yes/no):	Yes
INTERFACE COMMUNICATIONS	
Serial Data Stream (SNMP v3/RS232, type):	SNMP Ver. 3, Opto-Isolated, 10/100/1G. Rear Panel
Special (CIP, VMware ESX/ESXi/Other):	ESX 4.0 and ESXi 5.1 Networking Support for Graceful Shutdown.
Discrete (Relay/Opto, Description):	N/A
ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE	
Auto Start (manual start/auto start):	Auto Start, AC Output when AC is Applied
Cold Start Switch (Yes/No):	Yes. Allows UPS to be Started w/Battery if AC Power Source is not On.
CONNECTORS	
Connector(s) AC Input (type, location):	1 Each: L16-20P Power Flanged Inlet, Rear Panel
Connector(s) AC Output (type, location):	1 Each: L6-30R Rear Panel
Connector(s) EBP/Charger (type, location):	Two Anderson Connectors for External EBM. 4 #10 conductors, for Power & Signal.
Overload – Shutdown or Bypass (shutdown/bypass, %):	N/A
BATTERIES	
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):	External Battery Module Only: 12V Sealed Lead Acid
Battery Total Quantity:	FA10373: 16 Each
Battery String Voltage:	96 VDC Nominal
Battery String (number of strings, quantity per string):	2 Strings, 8 Batteries Per String
Battery Minimum Run Time (approx. run time at #watts):	10.7 minutes @ 4000 W with EBP FA10373

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Battery Mounting (hot swap/fixed):	See FA10373 External Battery Module
External Battery Module (EBM) PN:	FA10373

EMI and ENVIRONMENTAL	
Application (shipboard/airborne/ground/all):	Shipboard
Temperature (Operating):	-20°C to +50°C
Humidity:	0-95%, Non-Condensing

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

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