UNINTERRUPTIBLE POWER SYSTEM (UPS)

1500VA, 1350W, 115VAC 60Hz Isolated Input, 115VAC 60Hz Output UPS with Power Factor Correction.



Part # FA10468
Model # IHT1500RM-M-1.35KW-115V-ISOL-FC60-115V-4BHS-2U17

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 #:	FA10468	Rev. 08182020
IP Model #:	IHT1500RM-M-1.35KW-115V-ISOL-FC60-115V-4BHS-2U17	
IP Description:	1500VA, 1350W, 115VAC 60Hz Isolated Input, 115VAC 60Hz Output UPS with Power Factor Correction.	

INPUT RATINGS	
Input AC Voltage (AC Voltage, tolerance):	115 VAC, 1Ph, -20% / +15% (92 VAC to 132 VAC)
Input DC Voltage (AC Voltage, tolerance):	N/A
Input Frequency (Hz, tolerance):	60 Hz +/- 3 Hz
Input Max Current (Amps):	AC: 18.3 Amps
PFC Feature:	Input Power Factor Correction to meet MIL-STD-1399-300B.
Breaker & Switch AC Input (type, location):	2P, 20A, Magnetic Hydraulic Circuit Breaker, Toggle Handle, Front Panel
OUTPUT RATINGS	
Power Rating (VA, Watts):	1500 VA, 1350 W
Output AC Voltage (AC Voltage, tolerance):	115 VAC, 1Ph, (+/-3%)
Output DC Voltage (DC Voltage, tolerance):	N/A
Output Frequency (Hz, follower/changer):	60Hz, Follows Input Between 58.5 Hz and 61.5 Hz, Freq Converter to 60 Hz
Output Sync Requirements:	Synced to Input within 58.5 Hz to 61.5 Hz, 60 Hz if outside this range.
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):	N/A
Output Overload – Shutdown or Bypass:	Bypass at 110% of Full Load. Reset to Line by Pressing the F1 Button after Correcting the Overload.
MECHANICAL	
Enclosure Type & Size (type/rack unit, dimensions):	Rack Mountable 2U, 3.5”H x 19”W x 17.92”D (Excluding Panel Hardware)
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.:	64 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: L5-15P Power Flanged Inlet, Rear Panel
Connector(s) AC Output (type, location):	4 Each: L5-15R Rear Panel (Switched), 2 Each: L5-20R Rear Panel, On with AC Inverter
Connector(s) EBP/Charger (type, location):	N/A
BATTERIES	
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):	12V, 9 Ah Lead Acid
Battery Total Quantity:	4
Battery String Voltage:	48 VDC Nominal
Battery String (number of strings, quantity per string):	1
Battery Minimum Run Time (approx. run time at #watts):	5 Minutes at 1350 W Output with 4 Batteries, Internal 9 minutes @ 1050 W Output with 4 Batteries, Internal
Battery Mounting (hot swap/fixed):	Hot Swap Drawer
External Battery Module (EBM) PN:	N/A

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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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