UNINTERRUPTIBLE POWER SYSTEM (UPS)

1500VA, 1350W, 115VAC, 60Hz Input and 115VAC, 60Hz output, double conversion, rugged, high temperature, isolated, on-line UPS with hot swap battery drawer and power factor correction for navy shipboard applications.





Part # FA00365
Model # IHT1500RM-M-1.35Kw-115v-Isol-FC60-115v-4BHS-2U17.7

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
1746 N. Saint Thomas Circle Orange, CA 92865 USA
Tel: 714-921-1580 Fax: 714-921-4023
Email: ca-ora-sales@ametek.com www.intellipower.com

All products designed, manufactured & supported in the USA.

TAA Compliant

Uninterruptible Power System (UPS)		
IP Part #:	FA00365	Rev. 01162021
IP Model #:	IHT1500RM-M-1.35Kw-115v-Isol-FC60-115v-4BHS-2U17.7	
IP Description:	1500VA, 1350W, 115VAC, 60Hz Input and 115VAC, 60Hz Output, Double Conversion, Rugged, High Temperature, Isolated On-Line UPS with Hot Swap Battery Drawer and Power Factor Correction for Navy Shipboard Applications.	

INPUT RATINGS	
Input AC Voltage (AC Voltage, tolerance):	115 VAC, (-25% +15%)
Input DC Voltage (AC Voltage, tolerance):	N/A
Input Frequency (Hz, tolerance):	60 Hz
Input Max Current (Amps):	20 Amps
PFC Feature:	Yes
Breaker & Switch AC Input (type, location):	Magnetic hydraulic CB, Power Switch, Front Panel
OUTPUT RATINGS	
Power Rating (VA, Watts):	1500 VA, 1350 W
Output AC Voltage (AC Voltage, tolerance):	115 VAC, (-25% +15%)
Output DC Voltage (DC Voltage, tolerance):	N/A
Output Frequency (Hz, follower/changer):	60 Hz
Output Sync Requirements:	Synced to input within 58.5Hz to 61.5Hz. 60Hz if outside this range]
Isolation (galvanic isolation/non-isolated):	Galvanic Isolation
Neutral Bonded to Ground (bonded/un-bonded/switch):	Locking Switch, unbonded for shipboard & bonded for land based testing.
Output AC Breaker & Switch (type, location):	Magnetic hydraulic CB, Push to Reset, Front Panel
Output Overload – Shutdown or Bypass:	Goes to Bypass at 15% Overload. To recover from Bypass to On-Line, press F1 after correcting the overload.
MECHANICAL	
Enclosure Type & Size (type/rack unit, dimensions):	Rack Mountable 2U, 3.46”H x 17”W x 17.7”D w/ 1”W Rack Ears
Enclosure Material & Finish (aluminum/steel finish):	Aluminum, Chem. coated, Charcoal Gray Powder Coated
Enclosure Airflow (front to rear/front to side/other):	Front to rear
Nominal Weight +/- lbs.:	TBD
Fan Filters (EMI/dust/combination/grill):	EMI
Conformal Coated PCBAs (yes/no):	Yes
INTERFACE COMMUNICATIONS	
Serial Data Stream (SNMP v3/RS232, type):	SNMP3, Ethernet Jack, Rear Panel
Special (CIP, VMware ESX/ESXi/Other):	ESX 4.0 and ESX 5.1 Networking. Graceful shutdown
Discrete (Relay/Opto, Description):	N/A
ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE	
Auto Start (manual start/auto start):	Auto Start
Cold Start Switch (Yes/No):	Yes
CONNECTORS	
Connector(s) AC Input (type, location):	1 each NEMA L5-15P on 6’ Pigtail Power Cord, Rear Panel
Connector(s) AC Output (type, location):	6 each NEMA L5-15R on Rear Panel
Connector(s) EBP/Charger (type, location):	N/A
BATTERIES	
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):	12V9Ah, Lead Acid
Battery Total Quantity:	4
Battery String Voltage:	48 VDC
Battery String (number of strings, quantity per string):	1 string, 4 batteries per string
Battery Minimum Run Time (approx. run time at #watts):	Approx. 5 minutes at 1350 Watts; Approx. 9 minutes at 1050 Watts
Battery Mounting (hot swap/fixed):	Front Panel Hot Swap Drawer
External Battery Module (EBM) PN:	N/A

CORPORATE HEADQUARTERS
1746 N. Saint Thomas Circle Orange, CA 92865 USA
Tel: 714-921-1580 Fax: 714-921-4023
Email: ca-ora-sales@ametek.com www.intellipower.com

EMI and ENVIRONMENTAL	
Application (shipboard/airborne/ground/all):	Shipboard
Temperature (Operating):	-20°C to +50°C
Humidity:	5-95%, Non-Condensing

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

CORPORATE HEADQUARTERS
1746 N. Saint Thomas Circle Orange, CA 92865 USA
Tel: 714-921-1580 Fax: 714-921-4023
Email: ca-ora-sales@ametek.com www.intellipower.com