

# Uninterruptible Power System (UPS)

# FA10448

All IntelliPower systems utilize circuit boards, chassis, components and construction techniques that are specifically designed for extreme environments—rugged, challenging thermal and/or shock and vibration applications. 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. Our standard build practices have enabled certified compliance to a number of performance standards for select models and product families. IntelliPower systems have proven performance in a wide range of key rugged military programs within the Army, Air Force, Navy and Marines. IntelliPower products are designed and manufactured in the USA, which means shorter lead times from design to shipping, as well as a level of personalized service unequaled in the marketplace.



## Uninterruptible Power System (UPS)

<b>Part #:</b>	<b>FA10448</b>	<b>Rev. 09172021</b>
<b>Model #:</b>	<b>IHT3000RM-M-2.7KW-440V 3Ph-ISOL-FC60-220V-2U24.7-EBM</b>	
<b>Unit Description:</b>	<b>3000VA, 2700W, 440VAC 3Ph 60Hz Isolated Input, 220VAC 60Hz Output, Freq Changer, 9BHS (10.5Ah) EBM, 2U24.7, 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, and Power Factor Correction</b>	

### 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):	8.3 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):	3000 VA, 2700 W
Output AC Voltage (AC Voltage, tolerance):	220 VAC, 1Ph, (+/-3%)

(continued)

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):	Un-bonded
Output AC Breaker & Switch (type, location):	1P, 15A, Magnetic Hydraulic Circuit Breaker, Push to Reset, Rear Panel
Output Overload – Shutdown or Bypass:	Shutdown at 110% of Full Load.
<b>MECHANICAL</b>	
Enclosure Type & Size (type/rack unit, dimensions):	Rack Mountable 2U, 3.5"H x 19" W x 24.7" D
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.:	48 lbs.
Fan Filters (EMI/dust/comboination/grill):	EMI
Conformal Coated PCBAs (yes/no):	Yes
<b>INTERFACE COMMUNICATIONS</b>	
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
<b>ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE</b>	
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
<b>CONNECTORS</b>	
Connector(s) AC Input (type, location):	1 Each: L16-20P Power Flanged Inlet, Rear Panel; (For 440 VAC, Three Phase Power)
Connector(s) AC Output (type, location):	1 Each: L6-30R Rear Panel
Connector(s) EBP/Charger (type, location):	Modified Anderson Connector for External EBM Cable. 4 #10 conductors, for Power & temperature sensing.
<b>BATTERIES</b>	
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):	12V, 10.5 Ah Lead Acid
Battery Total Quantity:	12
Battery String Voltage:	144 VDC Nominal
Battery String (number of strings, quantity per string):	1 String, 12 Batteries Per String
Battery Minimum Run Time (approx. run time at #watts):	15 minutes @ 2700 W with EBP FA10487
Battery Mounting (hot swap/fixed):	External Battery Module (EBM)
External Battery Module (EBM) PN:	FA10487
<b>EMI and ENVIRONMENTAL</b>	
Application (shipboard/airborne/ground/all):	All
Temperature (Operating):	-20°C to +50°C
Humidity:	0-95%, Non-Condensing

Specifications subject to change without notice.