

UNINTERRUPTIBLE POWER SYSTEM (UPS)

4000VA, 2800W, 120/240VAC, Auto Select 50/60Hz Input and 120VAC 60Hz Output, Double Conversion, Rugged, On-Line UPS with Power Factor Correction for Industrial Applications.



Part # FA10065

Model # IHT4000RM-M-2800w-DiAC-Isol-FC60-120V-3U24-EBP

FEATURES AND BENEFITS

Rugged & Extreme Environments

All 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.

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 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 25 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 to include completely sealed systems.

Designed and Manufactured in the USA

The engineering and technological expertise within 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). IntelliPower products are used in a wide range of key military programs within the Army, Air Force, Navy and Marines.

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

CORPORATE HEADQUARTERS

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All products designed and manufactured in the U.S.A.



Uninterruptible Power System (UPS)	
IP Part #:	FA10065
IP Model #:	IHT4000RM-M-2800w-DiAC-Isol-FC60-120V-3U24-EBP
Unit Description:	4000VA, 2800W, 120/240VAC, Auto Select 50/60Hz Input and 120VAC 60Hz Output, Double Conversion, Rugged, On-Line UPS with Power Factor Correction for Industrial Applications
SPECIFICATIONS	
Power Rating (VA, Watts):	4000VA, 2800W
Input AC Voltage (AC Voltage, tolerance):	120/240VAC (-25% +15%) auto select
Input DC Voltage (DC Voltage, tolerance):	N/A
Input Frequency (Hz, tolerance):	60Hz, (±5Hz)
Input Max Current (Amps):	40A
Output AC Voltage (AC Voltage, tolerance):	120 (±3%)
Output DC Voltage (DC Voltage, tolerance):	N/A
Output Frequency (Hz, follower/changer):	FC 60Hz
Output Sync Requirements:	Synced within ±3Hz from the input frequency or fixed at 60Hz if outside of this range
Enclosure Type & Size (type/rack unit, dimensions):	3U, 5.25"H x 17"W x 24"D with shock mount pin extensions
Enclosure Material & Finish (aluminum/steel, finish):	Aluminum
Enclosure Airflow (front to rear/front to side/other):	Front-to-Rear
Enclosure – Special (IP65/Zone 1):	N/A
Connector(s) AC Input (type, location, pin outs):	MS3102A22-2P threaded round MIL
Connector(s) DC Input (type, location, pin outs):	N/A
Connector(s) AC Output (type, location, pin outs):	6 each MS3470W12-3S bayonet latch connectors
Connector(s) DC Output (type, location, pin outs):	N/A
Connector(s) EBP/Charger (type, location, pin outs):	Locking Anderson, 2ea. 2 X 2
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):	Lead Acid of LiFe
Battery Total Quantity:	1 String of 10
Battery String Voltage:	120 or 128V
Battery String (number of strings, quantity per string)	See EBP (FA10100)
Battery Minimum Run Time (approx. run time at #watts):	10 Min. @ 2500W
Battery Mounting (hot swap/fixed):	Fixed
Temperature (operating, storage):	Operating: -15C to +50C (Batteries can be discharged up to 55C and charged up to 50C. The battery charger will turn off above 50C) Storage: -30C to +65C
Humidity:	0 to 95%, Non-Condensing
PFC Feature:	Yes
Isolation (galvanic isolation/non-isolated):	Isolated
Application (shipboard/airborne/ground/all):	Ground
Fan Filters (EMI/dust/comboination/grill):	EMI/Dust washable on front of unit
Auto Start (manual start/auto start):	Auto-Start
Cold Start Switch (yes/no):	No
Overload – Shutdown or Bypass (shutdown/bypass, %):	Automatic bypass for UPS failure or overload at 115%
Conformal Coated PCBAs (yes/no):	Yes
Communications (SNMP2/SNMP3/RS232, type):	RS-232, Opto-Isolated
Communications – Special (CIP/VMware ESX/ESXi/other):	N/A
Communications – Discrete (relay/opto, description):	N/A
Breaker & Switch Input (rating, type, location):	2P40A, Circuit Breaker hydraulic push/pull breaker on front panel with battle short.
Breaker & Switch AC Output (rating, type, location):	1P35A, Guard Toggle Rear Panel
Breaker & Switch DC Output (rating, type, location):	N/A
Neutral Bonded to Ground (bonded/un-bonded/switch):	Bonded
Note: If Non-Isolated Enter Un-Bonded	

ISO 9001: 2008 Certified Facility

Military Standards

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