# **UNINTERRUPTIBLE POWER SYSTEM (UPS)**

1100VA, 850W High Temp Double Conversion OnLine Global Input UPS with 28VDC Output and Power Factor Correction





Part # FA00244 Model # IHT1100RM-M-0.85kw-DIAC-28V-5BFB-3U24-SNMP

## 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.







Uninterruptible Power System (UPS)			
IP Part #:	FA00244		
IP Model #:	IHT1100RM-M-0.85kw-DIAC-28V-5BFB-3U24-SNMP		
1100VA 850W High Temp Double Conversion (			nLine Global Input UPS with 28VDC Output and Power Factor
Unit Description:	Correction		
SPECIFICATIONS			
Power Rating (VA, Watts):			1100 VA, 850 W
Input AC Voltage (AC Voltage, tolerance):			120 or 240 VAC, (-25% to +15%), Auto Select
Input DC Voltage (DC Voltage, tolerance):			N/A
Input Frequency (Hz, tolerance):			50 or 60 Hz
Input Max Current (Amps):			14 Amps
Output AC Voltage (AC Voltage, tolerance):			N/A
Output DC Voltage (DC Voltage, tolerance):			2 each 28 VDC at 425 W
Output De Voltage (De Voltage, tolerance).  Output Frequency (Hz, follower/changer):			N/A
Output Frequency (nz, follower/changer): Output Sync Requirements:			N/A
Enclosure Type & Size (type/rack unit, dimensions):			Rack Mountable 3U, 5.25"H x 17"W x 24"D
Enclosure Type & Size (type/Tack unit, unitensions).  Enclosure Material & Finish (aluminum/steel, finish):			Aluminum
Enclosure Material & Philish (adminishly steer, mish).  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):			1 each Circular Mil MS3456L16-1, Rear Panel
Connector(s) DC Input (type, location):			N/A
Connector(s) AC Output (type, location):			N/A
Connector(s) DC Output (type, location):			1 each Output A (primary): Circular Mil MS3456L16-11S on a 4' Pigtail
			Power Cord, Rear Panel
			1 each Output B (secondary): Circular Mil MS3456L16-11SW on a 4'
			Pigtail Power Cord, Rear Panel
Connector(s) EBP/Charger (type, location):			1 each Circular Mil MS3452L18-11S, Rear Panel
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):			12V9Ah, Pure Lead Acid
Battery Total Quantity:			5
Battery String Voltage:			60 VDC
Battery String (number of strings, quantity per string)			1,5
Battery Minimum Run Time (approx. run time at #watts):		atts):	30 minutes at 450 W
Battery Mounting (hot swap/fixed):			Fixed
Temperature:			-10°C to +50°C Operating
Humidity:			0-95%, Non-Condensing
PFC Feature:			Input Power Factor Correction
Isolation (galvanic isolation/non-isolated):			Galvanic Isolation
Application (shipboard/airborne/ground/all):			Shipboard
Fan Filters (EMI/dust/combination/grill):			Dust & EMI, Front Panel; EMI, Rear Panel
Auto Start (manual star	Auto Start (manual start/auto start):		Auto Start
Cold Start Switch (yes/n	•		No
	r Bypass (shutdown/bypass,	%):	Shutdown at 15% Overload
Conformal Coated PCBAs (yes/no):			Yes
•	Communications (SNMP2/SNMP3/RS232, type):		SNMP, Ethernet Jack, Rear Panel
	cial (CIP/VMware ESX/ESXi/o	•	N/A
Communications – Discrete (relay/opto, description):		):	N/A
Breaker & Switch Input (type, location):			Toggle Switch, Front Panel
Breaker & Switch AC Output (type, location):			2 each Push to Reset, Rear Panel
Breaker & Switch DC Output (type, location):			N/A
Neutral Bonded to Grou	ınd (bonded/un-bonded/swi	tch):	Un-bonded

ISO 9001: 2008 Certified

TAA Compliant



