

# Uninterruptible Power System (UPS)

# FA00007

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)		
Part #:	FA00007	102121
Model #:	IHT1500RM-M-115v-Isol-115v-6BHS-3U20.5	
Unit Description:	High Temperature, Double Conversion, Rugged, Isolated, Rack Mounted UPS System with Power Factor Correction.	

INPUT RATINGS	
Input AC Voltage (AC Voltage, tolerance):	115 VAC, (-20% +15%)
Input DC Voltage (DC Voltage, tolerance):	N/A
Input Frequency (Hz, tolerance):	50 or 60 Hz, (+/- 5 Hz)
Input Max Current with Inverter Output (Amps):	15.51 Amps
PFC Feature:	Input power factor correction
Breaker & Switch Input (type, location):	2P15A, toggle
OUTPUT RATINGS	
Power Rating (VA, Watts):	1500 VA, 1000 Watts
Output AC Voltage (AC Voltage, tolerance):	115 VAC, (+/-3%)
Output DC Voltage (DC Voltage, tolerance):	N/A
Output Frequency (Hz, follower/changer):	50 or 60 Hz, (+/-3 Hz), follower

(continued)

Isolation (galvanic isolation/non-isolated):	Galvanic Isolation
Neutral Bonded to Ground (bonded/un-bonded/switch):	Unbonded
Breaker & Switch AC Output (type, location):	1 each 1P15A, push to reset
Overload – Shutdown or Bypass (shutdown/bypass, %):	Shutdown at 115%
<b>MECHANICAL</b>	
Enclosure Type & Size (type/rack unit, dimensions):	3U, rack mountable; 5.25 x 17 x 20.5 inch (Height x Width x Depth)
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
Weight:	TBD
Fan Filters (EMI/dust/comboination/grill):	EMI and grill plate
Conformal Coated PCBAs (yes/no):	Yes
<b>INTERFACE COMMUNICATIONS</b>	
Communications (SNMP2/SNMP3/RS232, type):	SNMP
Discrete (Relay/Opto, Description):	Dry Contacts, 1 each Circular Mil, 5-12VDC 20mA for Remote Bypass, Rear Panel
<b>ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE</b>	
Auto Start (manual start/auto start):	Auto start
Cold Start Switch (yes/no):	Yes
<b>CONNECTORS</b>	
Connector(s) AC Input (type, location):	1 each MS3450L18-11P, panel mounted, rear
Connector(s) DC Input (type, location):	N/A
Connector(s) AC Output (type, location):	6 each NEMA 5-15R
Connector(s) DC Output (type, location):	N/A
Connector(s) EBP/Charger (type, location):	1 each Circular Mil; panel mounted, rear
<b>BATTERIES</b>	
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):	12V12V9Ah Pb-Acid8.5Ah, Pure Lead Acid
Battery Total Quantity:	6
Battery String Voltage:	72 VDC
Battery String (number of strings, quantity per string)	1 String of 6
Battery Minimum Run Time (approx. run time at #watts):	Approximately 36 minutes at 950 Watts
Battery Mounting (hot swap/fixe):	Hot Swap
<b>EMI and ENVIRONMENTAL</b>	
Application (shipboard/airborne/ground/all):	All
Operating Temperature:	-10°C to +55°C
Humidity:	5-95%, non-condensing

Specifications subject to change without notice.