

Uninterruptible Power System (UPS)

FA00049

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 #:	FA00049	102121
Model #:	IHT3000RM-M-DiAC-Isol-FC60-120v-6BFB-3U24-CM	
Unit Description:	Rugged, Double Conversion, Global Input, Isolated, Online UPS System with Power Factor Conversion and Frequency Conversion for Land Based Military Applications.	

INPUT RATINGS

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, (+/- 5 Hz)
Input Max Current with Inverter Output (Amps):	31 Amps
PFC Feature:	Input power factor correction
Breaker & Switch Input (type, location):	Toggle Switch, Front Panel

OUTPUT RATINGS

Power Rating (VA, Watts):	3000 VA, 2100 W
Output AC Voltage (AC Voltage, tolerance):	120 VAC, (±3%)
Output DC Voltage (DC Voltage, tolerance):	N/A
Output Frequency (Hz, follower/changer):	60 Hz, Changer

(continued)

Isolation (galvanic isolation/non-isolated):	Input Galvanic Isolation
Neutral Bonded to Ground (bonded/un-bonded/switch):	Bonded
Breaker & Switch AC Output (type, location):	Push to Reset, Rear Panel
Overload – Shutdown or Bypass (shutdown/bypass, %):	Shutdown at 10% Overload
MECHANICAL	
Enclosure Type & Size (type/rack unit, dimensions):	Rack Mountable 3U, 5.25"H x 17" W x 20" D
Enclosure Material & Finish (aluminum/steel, finish):	Steel, powder coated charcoal gray
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/combination/grill):	Grill
Conformal Coated PCBAs (yes/no):	Yes
INTERFACE COMMUNICATIONS	
Communications (SNMP2/SNMP3/RS232, type):	RS232 DA-15 D-subminiature, Opto-Isolated, Rear Panel
Discrete (Relay/Opto, Description):	N/A
ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE	
Auto Start (manual start/auto start):	Manual start
Cold Start Switch (yes/no):	No
CONNECTORS	
Connector(s) AC Input (type, location):	1 each Circular Mil MS3102R22-22P, Rear Panel
Connector(s) DC Input (type, location):	N/A
Connector(s) AC Output 1 (type, location):	6 each NEMA 5-15R, Rear Panel
Connector(s) AC Output 2 (type, location):	N/A
Connector(s) EBP/Charger (type, location):	N/A
BATTERIES	
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):	12V9Ah, Lead Acid
Battery Total Quantity:	6
Battery String Voltage:	72 VDC
Battery String (number of strings, quantity per string)	1, 6
Battery Minimum Run Time (approx. run time at #watts):	4.5 minutes at 2100 W
Battery Mounting (hot swap/fixed):	Fixed
EMI and ENVIRONMENTAL	
Application (shipboard/airborne/ground/all):	All
Operating Temperature:	0°C to +50°C
Humidity:	0-95%, non-condensing

Specifications subject to change without notice.



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