

Uninterruptible Power System (UPS)

FA00010

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 #:	FA00010	102121
Model #:	IHT3000RM-M-2.1kw-DiAC-Isol-230v-8LBFb-3U26-DSO2	
Unit Description:	3KVA, 2.1KW double conversion, online, isolated, global input, rugged UPS with 120vac output, frequency conversion, power factor correction and extended internal batteries.	

INPUT RATINGS

Input AC Voltage (AC Voltage, tolerance):	120 or 240 VAC, (-25% +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):	31.16 Amps
PFC Feature:	Input power factor correction
Breaker & Switch Input (type, location):	2P30A, toggle; 2P40A, toggle

OUTPUT RATINGS

Power Rating (VA, Watts):	3000 VA, 2100 Watts
Output AC Voltage (AC Voltage, tolerance):	230 VAC, (+/-3%)
Output DC Voltage (DC Voltage, tolerance):	N/A
Output Frequency (Hz, follower/changer):	50 Hz, (+/-3 Hz), changer

(continued)

Isolation (galvanic isolation/non-isolated):	Galvanic Isolation
Neutral Bonded to Ground (bonded/un-bonded/switch):	Bonded
Breaker & Switch AC Output (type, location):	1 each 1P15A, push to reset
Overload – Shutdown or Bypass (shutdown/bypass, %):	Bypass at 115%
MECHANICAL	
Enclosure Type & Size (type/rack unit, dimensions):	3U, rack mountable; English: 5.25 x 17 x 26 inch (Height x Width x Depth)
Enclosure Material & Finish (aluminum/steel, finish):	Aluminum, 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):	No
INTERFACE COMMUNICATIONS	
Communications (SNMP2/SNMP3/RS232, type):	SNMP
Discrete (Relay/Opto, Description):	N/A
ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE	
Auto Start (manual start/auto start):	Auto start
Cold Start Switch (yes/no):	Yes
CONNECTORS	
Connector(s) AC Input (type, location):	1 each MS3450L16-10PY; panel mounted, rear
Connector(s) DC Input (type, location):	N/A
Connector(s) AC Output (type, location):	1 each MS3452L16-10SW; panel mounted, rear
Connector(s) DC Output (type, location):	N/A
Connector(s) EBP/Charger (type, location):	1 each MS3452L16-10S; panel mounted, rear
BATTERIES	
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):	12V10.5Ah Pb-Acid
Battery Total Quantity:	8
Battery String Voltage:	96 VDC
Battery String (number of strings, quantity per string)	1 String of 8
Battery Minimum Run Time (approx. run time at #watts):	96 VDC
Battery Mounting (hot swap/fixed):	Fixed
EMI and ENVIRONMENTAL	
Application (shipboard/airborne/ground/all):	All
Operating Temperature:	-20°C to +50°C
Humidity:	5-95%, non-condensing

Specifications subject to change without notice.