

# Uninterruptible Power System (UPS)

# FA10003

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 unequalled in the marketplace.



## Uninterruptible Power System (UPS)

<b>Part #:</b>	<b>FA10003</b>	<b>Rev. 100121</b>
<b>Model #:</b>	<b>IEHT1150BrCs-M-0.8-GWRAC-ISOL-120v-S50/60-3BFBLI</b>	
<b>Unit Description:</b>	<b>1150 VA, 800 Watts, 85 thru 265 VAC, 40 to 70 Hz Input and 120 VAC, 50 or 60 Hz Output, Double Conversion, On-Line, Isolated, Rugged UPS with Power Factor Correction for Military Applications.</b>	

### INPUT RATINGS

Input AC Voltage (AC Voltage, tolerance):	85 VAC thru 265 VAC Wide Range
Input DC Voltage (AC Voltage, tolerance):	N/A
Input Frequency (Hz, tolerance):	40 to 70 Hz
Input Max Current (Amps):	12.55 Amps
PFC Feature:	Yes
Breaker & Switch AC Input (type, location):	2P12A, toggle

### OUTPUT RATINGS

Power Rating (VA, Watts):	1150 VA, 800 Watts
Output AC Voltage (AC Voltage, tolerance):	120 VAC, (+/-2%); 120 VAC, (+/-2%)
Output DC Voltage (DC Voltage, tolerance):	N/A
Output Frequency (Hz, follower/changer):	50 or 60 Hz, (+/-3 Hz), selectable, changer or follower; 40 to 70 Hz

(continued)

Output Sync Requirements:	Selectable or synced to input
Isolation (galvanic isolation/non-isolated):	Galvanic Isolation
Neutral Bonded to Ground (bonded/un-bonded/switch):	Bonded
Output AC Breaker & Switch (type, location):	1 each 1P5.0A, push to reset
Output Overload – Shutdown or Bypass:	N/A
<b>MECHANICAL</b>	
Enclosure Type & Size (type/rack unit, dimensions):	Briefcase; 11.7 x 24.6 x 19.7 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):	Top to side
Nominal Weight +/- lbs.:	49.5 lbs.
Fan Filters (EMI/dust/comboination/grill):	Dust
Conformal Coated PCBAs (yes/no):	Yes
<b>INTERFACE COMMUNICATIONS</b>	
Serial Data Stream (SNMP v3/RS232, type):	RS-232, opto-isolated
Special (CIP, VMware ESX/ESXi/Other):	N/A
Discrete (Relay/Opto, Description):	N/A
<b>ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE</b>	
Auto Start (manual start/auto start):	Auto Start
Cold Start Switch (Yes/No):	No
<b>CONNECTORS</b>	
Connector(s) AC Input (type, location):	1 each IEC 60320 C14; panel mounted, top
Connector(s) AC Output 1 (type, location):	4 each NEMA 5-15R; panel mounted, top
Connector(s) AC Output 2 (type, location):	2 each NEMA 5-15R; panel mounted, top
Connector(s) EBP/Charger (type, location):	N/A
<b>BATTERIES</b>	
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):	12.8V9.6Ah Lithium Iron Phosphate
Battery Total Quantity:	3
Battery String Voltage:	38.4 VDC
Battery String (number of strings, quantity per string):	1
Battery Minimum Run Time (approx. run time at #watts):	Approximately 22 minutes at 800 Watts
Battery Mounting (hot swap/fixe):	Fixed
External Battery Module (EBM) PN:	N/A
<b>EMI and ENVIRONMENTAL</b>	
Application (shipboard/airborne/ground/all):	Ground
Temperature (Operating):	-20°C to +50°C
Humidity:	5-95%, Non-Condensing

Specifications subject to change without notice.