

# Uninterruptible Power System (UPS)

## FA10449

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>FA10449</b>	<b>Rev. 09172021</b>
<b>Model #:</b>	<b>IHT650RM-I-0.5Kw-120-FC60-120-LiFeHS-3U17</b>	
<b>Unit Description:</b>	<b>650VA, 500W, 120VAC 60Hz Input and 120VAC 60Hz Output, Frequency Changer, Non-Isolated, Power Factor Corrected, 1/2 Rack Unit, 3U High x 8.5" Wide x 17" Deep, Rugged, Double Conversion, to Provide Power Conditioning and Hot Swap Battery Hold-up for Industrial Applications</b>	

#### INPUT RATINGS

Input AC Voltage (AC Voltage, tolerance):	120 VAC, (-25% +15%)
Input DC Voltage (AC Voltage, tolerance):	N/A
Input Frequency (Hz, tolerance):	60 Hz, +/- 5.0 Hz
Input Max Current (Amps):	7.9 Amps
PFC Feature:	Input Power Factor Correction
Breaker & Switch AC Input (type, location):	2P10A, Toggle Switch, Mounted Vertically, Magnetic Hydraulic Breaker

#### OUTPUT RATINGS

Power Rating (VA, Watts):	650 VA, 500 Watts
Output AC Voltage (AC Voltage, tolerance):	120 VAC, (±3%)
Output DC Voltage (DC Voltage, tolerance):	N/A

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Output Frequency (Hz, follower/changer):	60 Hz, Follower
Output Sync Requirements:	N/A
Isolation (galvanic isolation/non-isolated):	Non-Isolated
Neutral Bonded to Ground (bonded/un-bonded/switch):	Un-bonded
Output AC Breaker & Switch (type, location):	1P7.5A, Push to Reset, Magnetic Hydraulic Breaker
Output Overload – Shutdown or Bypass:	Alarm at 105%, Shutdown at 115% of Full Load
<b>MECHANICAL</b>	
Enclosure Type & Size (type/rack unit, dimensions):	Flat Surface Mountable, 3U x 8.5" W x 17" D
Enclosure Material & Finish (aluminum/steel finish):	Aluminum, Chem Film Coated with Charcoal Gray Powder Coat
Enclosure Airflow (front to rear/front to side/other):	Front-to-Rear
Nominal Weight +/- lbs.:	24lbs.
Fan Filters (EMI/dust/comboination/grill):	Grill
Conformal Coated PCBAs (yes/no):	Yes
<b>INTERFACE COMMUNICATIONS</b>	
Serial Data Stream (SNMP v3/RS232, type):	SNMP, v3
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 C14 Inlet, Rear Panel
Connector(s) AC Output (type, location):	3 Each: NEMA 5-15R, Rear Panel
Connector(s) EBP/Charger (type, location):	N/A
<b>BATTERIES</b>	
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):	92.4V 2.85 Ah, Battery String, Lithium Iron Phosphate
Battery Total Quantity:	28 S1P Batteries
Battery String Voltage:	92.4 VDC
Battery String (number of strings, quantity per string):	Single pack
Battery Minimum Run Time (approx. run time at #watts):	11 Minutes at 500 Watts (70% Efficiency) 44 Minutes at 100 Watts (50% Efficiency)
Battery Mounting (hot swap/fixe):	Hot Swap Drawer
External Battery Module (EBM) PN:	N/A
<b>EMI and ENVIRONMENTAL</b>	
Application (shipboard/airborne/ground/all):	All
Temperature (Operating):	-20°C to +50°C
Humidity:	0-95%, Non-Condensing

Specifications subject to change without notice.