

# Power Conditioner

# FA00003

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.



Power Conditioner		
Part #:	FA00003	Rev. 09172021
Model #:	IHT2000RM-M-1.8KW-220V-240V AC-Isol-120Vout-FC60-PFC-3U17	
Unit Description:	Input AC, Input Frequency Input and Output AC, Output Frequency Output, Double Conversion, On-Line, Isolated Rugged UPS with Power Factor Correction	

INPUT RATINGS	
Input AC Voltage (AC Voltage, tolerance):	120 VAC (-25% to +15%)
Input DC Voltage (AC Voltage, tolerance):	N/A
Input Max Current (Amps):	26.31 Amps
Input Frequency (Hz, tolerance):	60 Hz, +/- 5.0 Hz
PFC Feature:	Input Power Factor Correction
Breaker & Switch AC Input (type, location):	2P15A, toggle
OUTPUT RATINGS	
Power Rating (VA, Watts):	2000 VA, 1800 Watts
Output AC Voltage (AC Voltage, tolerance):	120 VAC, (+/-3%)
Output DC Voltage (DC Voltage, tolerance):	N/A

(continued)

Output Frequency (Hz, follower/changer):	60 Hz, (+/-3 Hz), changer
Isolation (galvanic isolation/non-isolated):	Galvanic Isolation
Neutral Bonded to Ground (bonded/un-bonded/switch):	Bonded
Output AC Breaker & Switch (type, location):	1 each 1P20A, push to reset
<b>MECHANICAL</b>	
Enclosure Type & Size (type/rack unit, dimensions):	3U, rack mountable, 5.25 x 17 x 17 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
Nominal Weight +/- lbs.:	TBD
Fan Filters (EMI/dust/comboination/grill):	EMI
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 Flying Leads on a 3' pig tail, rear
Connector(s) AC Output (type, location):	4 each NEMA 5-20R, panel mounted, rear
Connector(s) EBP/Charger (type, location):	N/A
Overload – Shutdown or Bypass (shutdown/bypass, %):	N/A
<b>EMI and ENVIRONMENTAL</b>	
Application (shipboard/airborne/ground/all):	Ground
Temperature (Operating/Storage):	-20C to +50C
Humidity:	5%-95% non-condensing

Specifications subject to change without notice.