

Power Conditioner

FA00105

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 #:	FA00105	Rev. 09172021
Model #:	IHT800RM-I-0.63kw-120v-Isol-120v-FC60-PFC-2U18	
Unit Description:	Rack Mount, Isolated, Input Power Conditioner, Double Conversion On Line System with Frequency Conversion and Power Factor Correction.	

INPUT RATINGS	
Input AC Voltage (AC Voltage, tolerance):	120 VAC, (-25% +15%)
Input DC Voltage (AC Voltage, tolerance):	N/A
Input Max Current (Amps):	8.24 Amps
Input Frequency (Hz, tolerance):	45 to 450 Hz
PFC Feature:	Input Power Factor Correction
Breaker & Switch AC Input (type, location):	2P10A, Toggle
OUTPUT RATINGS	
Power Rating (VA, Watts):	800 VA, 630 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):	Non-Isolated
Neutral Bonded to Ground (bonded/un-bonded/switch):	N/A
Output AC Breaker & Switch (type, location):	1 Each 1P7.0A, Push To Reset
MECHANICAL	
Enclosure Type & Size (type/rack unit, dimensions):	2U, Rack Mountable 3.5 x 17 x 18 inch (Height x Width x Depth)
Enclosure Material & Finish (aluminum/steel finish):	Steel, Powder Coated Charcoal Gray
Enclosure Airflow (front to rear/front to side/other):	Side To Rear
Fan Filters (EMI/dust/combination/grill):	Dust
Conformal Coated PCBAs (yes/no):	No
INTERFACE COMMUNICATIONS	
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
ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE	
Auto Start (manual start/auto start):	Auto Start
Cold Start Switch (Yes/No):	No
CONNECTORS	
Connector(s) AC Input (type, location):	1 Each IEC 60320 C14 Panel Mounted, Rear
Connector(s) AC Output (type, location):	4 Each NEMA 5-15R Panel Mounted, Rear
Connector(s) EBP/Charger (type, location):	N/A
Overload – Shutdown or Bypass (shutdown/bypass, %):	N/A
EMI and ENVIRONMENTAL	
Application (shipboard/airborne/ground/all):	Ground
Temperature (Operating/Storage):	-20C to +50C
Humidity:	5%-95% non-condensing

Specifications subject to change without notice.