

# Voltage/Frequency Converter

## FA00206

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.



Voltage/Frequency Converter		
Part #:	FA00206	102121
Model #:	IFC-2000RM-M-2kw-DiAC-Isol-120vOut-FC60-PFC-2U21	
Unit Description:	Global Input Rugged Rack Mount Double Conversion Online Isolated Power Conditioning System with Power Factor Correction	

INPUT RATINGS	
Input AC Voltage (AC Voltage, tolerance):	120 or 240 VAC, (-23% +15%)
Input DC Voltage (DC Voltage, tolerance):	N/A
Input Frequency (Hz, tolerance):	47.5 to 63 Hz
Input Max Current with Inverter Output (Amps):	26 Amps
PFC Feature:	Yes
Breaker & Switch Input (type, location):	Toggle Switch, Rear Panel
OUTPUT RATINGS	
Power Rating (VA, Watts):	2000 VA, 2000 W
Output AC Voltage (AC Voltage, tolerance):	120 VAC, (±3%)
Output DC Voltage (DC Voltage, tolerance):	N/A
Output Frequency (Hz, follower/changer):	60 Hz, (+/-3 Hz), changer

(continued)

Isolation (galvanic isolation/non-isolated):	N/A
Neutral Bonded to Ground (bonded/un-bonded/switch):	N/A
Breaker & Switch AC Output (type, location):	Push to Reset, Rear Panel
Overload – Shutdown or Bypass (shutdown/bypass, %):	Shutdown
<b>MECHANICAL</b>	
Enclosure Type & Size (type/rack unit, dimensions):	Rack Mountable 2U, 3.5"H x 19" W x 21" D
Enclosure Material & Finish (aluminum/steel, finish):	Steel, 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/comboination/grill):	Grill
Conformal Coated PCBAs (yes/no):	No
<b>INTERFACE COMMUNICATIONS</b>	
Communications (SNMP2/SNMP3/RS232, type):	RS232 DE-9 D-subminiature, Opto-Isolated, Rear Panel
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-320 C20, Rear Panel
Connector(s) DC Input (type, location):	N/A
Connector(s) AC Output 1 (type, location):	6 each NEMA 5-20R, Rear Panel
Connector(s) DC Output 1 (type, location):	N/A
Connector(s) EBP/Charger (type, location):	N/A
<b>BATTERIES</b>	
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):	No
Battery Total Quantity:	No
Battery String Voltage:	No
Battery String (number of strings, quantity per string)	No
Battery Minimum Run Time (approx. run time at #watts):	No
Battery Mounting (hot swap/fixe):	No
<b>EMI and ENVIRONMENTAL</b>	
Application (shipboard/airborne/ground/all):	Ground
Operating Temperature:	-15°C to +50°C
Humidity:	0-95%, non-condensing

Specifications subject to change without notice.