

Power Conditioner

FA10511

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 #:	FA10511	Rev. 09172021
Model #:	IPC2500RM-M-2kW-Isol-F60-120V-PFC-2U21	
Unit Description:	2500VA, 2.0KW, 120 VAC 60 Hz Input, 120 VAC, 60 Hz Output, Frequency Follower, Galvanic Isolation, Power Factor Corrected, Rack Unit, 2U High x 17" Wide x 21" Deep, Rugged, Double Conversion, to Provide Power Conditioning and Tempest Isolation for Secure Military Applications.	

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):	19.5 Amps
Input Frequency (Hz, tolerance):	60 Hz, +/- 5.0 Hz
PFC Feature:	Input Power Factor Correction
Breaker & Switch AC Input (type, location):	2P30A, Toggle Switch, Mounted Vertically, Magnetic Hydraulic Breaker

OUTPUT RATINGS

Power Rating (VA, Watts):	2500 VA, 2000 Watts
Output AC Voltage (AC Voltage, tolerance):	120 VAC, +/-3%
Output DC Voltage (DC Voltage, tolerance):	N/A

(continued)

Output Frequency (Hz, follower/changer):	60Hz, Follower
Output Sync Requirements:	Synchronized to Input Frequency (60 Hz +/- 5 Hz)
Isolation (galvanic isolation/non-isolated):	Galvanic Isolation
Neutral Bonded to Ground (bonded/un-bonded/switch):	Bonded
Output AC Breaker & Switch (type, location):	1P25A, Push to Reset, Magnetic Hydraulic Breaker
Output Overload – Shutdown or Bypass:	Alarm at 105%, Bypass at 115% of Full Load
MECHANICAL	
Enclosure Type & Size (type/rack unit, dimensions):	2U, Rack Mountable, 3.75 x 17 x 21 inches (Height x Width x Depth)
Enclosure Material & Finish (aluminum/steel finish):	Steel with Charcoal Gray Powder Coat
Enclosure Airflow (front to rear/front to side/other):	Front-to-Rear
Nominal Weight +/- lbs.:	65 lbs. Maximum
Fan Filters (EMI/dust/comboination/grill):	EMI
Conformal Coated PCBAs (yes/no):	Yes
INTERFACE COMMUNICATIONS	
Serial Data Stream (SNMP v3/RS232, type):	N/A
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
Controls-Remote (EPO/Cold Start/Other):	N/A
CONNECTORS	
Connector(s) AC Input (type, location):	IEC-320 C20, Rear panel
Connector(s) AC Output (type, location):	6 Each NEMA 5-20R, Rear Panel
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):	-0C to +50C
Humidity:	0%-95% Non-condensing

Specifications subject to change without notice.