

Power Conditioner

FA10208

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 #:	FA10208	Rev. 09172021
Model #:	IPC1100RM-M-1.0kw-NonIsol-0.5kw120vOut-Isol-0.5kw-28vdc-NB-1U24	
Unit Description:	1100Va, 1000W, 120Vac 60Hz Input, 120Vac 60Hz 600Va 500W Non-Isolated Output, 28Vdc 500W Isolated Output, Freq Changer, No Battery, 1U24, Aluminum, IEC-C14, SNMP, 3 x NEMA.	

INPUT RATINGS	
Input AC Voltage (AC Voltage, tolerance):	120 VAC, (-23% +15%)
Input DC Voltage (AC Voltage, tolerance):	N/A
Input Max Current (Amps):	15 Amps
Input Frequency (Hz, tolerance):	50/60 Hz (45 to 65Hz)
PFC Feature:	Input Power Factor Correction
Breaker & Switch AC Input (type, location):	Hydraulic magnetic DP15A CB and Input Power Switch, Front Panel
OUTPUT RATINGS	
Power Rating (VA, Watts):	1000W (Dual 600VA, 500W for 120VAC and 500W for 28VDC)
Output AC Voltage (AC Voltage, tolerance):	120 VAC, (+/-3%) at 500 Watts – Non-isolated.
Output DC Voltage (DC Voltage, tolerance):	28 VDC at 500 Watts (Isolated)

(continued)

Output Frequency (Hz, follower/changer):	60 Hz Frequency Converter
Isolation (galvanic isolation/non-isolated):	AC output is non-Isolated. DC output is isolated
Neutral Bonded to Ground (bonded/un-bonded/switch):	Un-bonded
Output AC Breaker & Switch (type, location):	Push to reset, 1P5A Hydraulic magnetic Type CB, Rear Panel
Output Overload – Shutdown or Bypass:	Shutdown with load of 115%
MECHANICAL	
Enclosure Type & Size (type/rack unit, dimensions):	Rack Mountable 1U, 1.75"H x 17" W x 24" D, optional rack slides
Enclosure Material & Finish (aluminum/steel finish):	Aluminum, powder coated charcoal gray
Enclosure Airflow (front to rear/front to side/other):	Front to Rear
Fan Filters (EMI/dust/comboination/grill):	Grill
Conformal Coated PCBAs (yes/no):	Yes
INTERFACE COMMUNICATIONS	
Serial Data Stream (SNMP v3/RS232, type):	SNMP version 3.3, Ethernet RJ45, Rear Panel
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-320 C14, Rear Panel for any input power cord set. 3 Ft Cord with NEMA 5-15P plug is included.
Connector(s) AC Output (type, location):	3 each NEMA 5-20R Receptacles on Rear Panel
Connector(s) EBP/Charger (type, location):	N/A
Overload – Shutdown or Bypass (shutdown/bypass, %):	Shutdown with load of 115%
EMI and ENVIRONMENTAL	
Application (shipboard/airborne/ground/all):	Ground
Temperature (Operating/Storage):	-20°C to +50°C
Humidity:	5%-95% non-condensing

Specifications subject to change without notice.