

# Power Conditioner

## FA10098

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 unequalled in the marketplace.



Power Conditioner		
Part #:	FA10098	Rev. 09172021
Model #:	PC3000RM-I-3.0Kw-120V-Isol-FC50-220V-3U20	
Unit Description:	3000VA, 3000W, Isolated, 120VAC at 50/60 Hz Input, and 220VAC at 50Hz Output Power Conditioner.	

INPUT RATINGS	
Input AC Voltage (AC Voltage, tolerance):	120VAC (-20% +15%)
Input DC Voltage (AC Voltage, tolerance):	N/A
Input Max Current (Amps):	36.76 Amps
Input Frequency (Hz, tolerance):	50 or 60 Hz, (±5%)
PFC Feature:	Input Power Factor Correction
Breaker & Switch AC Input (type, location):	40 Amp 2 pole, front panel
OUTPUT RATINGS	
Power Rating (VA, Watts):	3000VA, 3000W
Output AC Voltage (AC Voltage, tolerance):	220VAC (±3%)
Output DC Voltage (DC Voltage, tolerance):	N/A

(continued)

Output Frequency (Hz, follower/changer):	50Hz Changer
Isolation (galvanic isolation/non-isolated):	Galvanic Isolation
Neutral Bonded to Ground (bonded/un-bonded/switch):	Bonded
Output AC Breaker & Switch (type, location):	1P15A located on rear panel
Output Overload – Shutdown or Bypass:	Bypass at 5% overload
<b>MECHANICAL</b>	
Enclosure Type & Size (type/rack unit, dimensions):	3U, rack mountable, 5.25"H x 17" W x 20" D
Enclosure Material & Finish (aluminum/steel finish):	Steel, Powder Coated Charcoal Gray
Enclosure Airflow (front to rear/front to side/other):	Front to Rear
Weight:	90Lbs
Fan Filters (EMI/dust/comboination/grill):	Dust
Conformal Coated PCBAs (yes/no):	Yes
<b>INTERFACE COMMUNICATIONS</b>	
Serial Data Stream (SNMP v3/RS232, type):	RS232 DE-9 D-sub port, Opto-isolated, Upsilon software and cable included
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 Terminal block, Rear Panel
Connector(s) AC Output (type, location):	4 each IEC-320-C19 rear panel
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):	-15°C to +50°C
Humidity:	0%-95% non-condensing

Specifications subject to change without notice.