

Power Conditioner

FA00034

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 #:	FA00034	Rev. 09172021
Model #:	PC3000RM-M-2.1kW-GWRAC-Isol-FC60-120V-4U26-IP65-TC	
Unit Description:	3000VA, 2100W, 90 to 265VAC 45 to 400Hz Input and 120VAC 60Hz Output	

INPUT RATINGS

Input AC Voltage (AC Voltage, tolerance):	90 to 265 VAC, Global Wide Range
Input DC Voltage (AC Voltage, tolerance):	N/A
Input Max Current (Amps):	30 Amps
Input Frequency (Hz, tolerance):	45 to 400 Hz, (±5Hz)
PFC Feature:	Input Power Factor Correction
Breaker & Switch AC Input (type, location):	Toggle Switch, Front Panel

OUTPUT RATINGS

Power Rating (VA, Watts):	3000 VA, 2100 W
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):	Galvanic Isolation
Neutral Bonded to Ground (bonded/un-bonded/switch):	Bonded
Output AC Breaker & Switch (type, location):	Push to Reset, Rear Panel
MECHANICAL	
Enclosure Type & Size (type/rack unit, dimensions):	Rack Mountable, 4U, 7"H x 17" W x 26" D
Enclosure Material & Finish (aluminum/steel finish):	Aluminum, powder coated charcoal gray
Enclosure Airflow (front to rear/front to side/other):	Front-to-Rear
Enclosure – Special (IP65/Zone 1):	IP65
Fan Filters (EMI/dust/comboination/grill):	EMI
Conformal Coated PCBAs (yes/no):	Yes
INTERFACE COMMUNICATIONS	
Serial Data Stream (SNMP v3/RS232, type):	SNMP, Circular Mil Ethernet Jack, 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 Circular Mil MS3452L22-22P, Rear Panel
Connector(s) AC Output (type, location):	1 each Circular Mil MS3452L20-19S, Rear Panel
Connector(s) EBP/Charger (type, location):	N/A
Overload – Shutdown or Bypass (shutdown/bypass, %):	Bypass at 105%
EMI and ENVIRONMENTAL	
Application (shipboard/airborne/ground/all):	Ground
Temperature (Operating/Storage):	-30C to +50C
Humidity:	0%-95% non-condensing

Specifications subject to change without notice.