

## POWER CONDITIONER

Global, Isolated, 124/240VAC & 24VDC Input, Converter/Conditioner with 120VAC, 60Hz Output, Rugged, Rack Mount, Double Conversion On-Line Power Converter Conditioning System.



**Part #** FA00094

**Model #** IPFC-1100RM-M-0.9kw-DiAC-24VDCin-Isol-120vFC60out-2U18

## FEATURES AND BENEFITS

### Rugged & Extreme Environments

All IntelliPower systems utilize circuit boards, chassis and components that are **specifically designed for extreme environments**. In today's marketplace, repackaged commercial products are often billed as "rugged" and/or "built for harsh environments". Each component in our systems is specifically selected or designed based upon proven performance in harsh indoor and outdoor applications.

### Cutting Edge Technology

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**. Systems are available with global voltage inputs & outputs, AC inputs & outputs and DC inputs & outputs. You will be able to utilize any power source.

IntelliPower offers power management software along with many standard communications protocols such as SNMP with OID and MIB Support, RS-232, Ethernet/IP – Common Industrial Protocol (CIP), MODBUS and Dry/Discrete Contacts. The sum total of these technological features equals the ultimate protection for your electronic equipment.

### Robust Product Portfolio

No other UPS company offers **2,000+ variations**. Utilizing IntelliPower's building block methodology, more product features and functionality are provided; without having to extend lead times or change proven designs. Over the past 25 years, IntelliPower has developed its electronics hardware, firmware, embedded software and enclosure technology in house, which provides us with a unique capability to meet virtually any of your application requirements to include completely sealed systems.

### Designed and Manufactured in the USA

The engineering and technological expertise within IntelliPower has enabled us to develop and field test products since 1988 to **100% user satisfaction**. For you, this translates into shorter lead times from design to shipping as well as personalized service and support. Our mission is to provide you with the highest standard of customer support and quality control.

### Military Standards Compliance

All product configurations are designed and manufactured to **meet military standards**. Systems have been and can also be certified by independent labs. Many standards are met in our standard build practices, some notable standards include MIL-STD-461F (Electromagnetic Interference EMI), MIL-STD-464C (Electromagnetic Environmental Effects EME), MIL-STD-1275D (DC Electrical Power Systems), MIL-STD-901D (Shock), MIL-STD-167-A (Vibration), MIL-STD-810G (Environmental; Altitude, Temperature, Humidity, Fungus, Sand & Dust, Rain), and MIL-STD-1399-300B (Interface requirements for AC devices; Voltage Transients (spikes), Frequency Transients, Harmonics, Power Factor). IntelliPower products are used in a wide range of key military programs within the Army, Air Force, Navy and Marines.

To find out more about IntelliPower capabilities, please visit our website at [www.intellipower.com/capabilities](http://www.intellipower.com/capabilities).

## CORPORATE HEADQUARTERS

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All products designed and manufactured in the U.S.A.



Power Conditioner	
<b>IP Part #:</b>	FA00094
<b>IP Model #:</b>	IPFC-1100RM-M-0.9kw-DiAC-24VDCin-Isol-120VFC60out-2U18
<b>Unit Description:</b>	Bright Global Isolated 124/240VAC & 24VDC Input Converter/Conditioner with 120VAC, 60Hz Output Rugged Rack Mount Double Conversion On Line Power Converter Conditioning System
<b>Power Rating (VA, Watts):</b>	1100VA, 900W
<b>Input AC Voltage (AC Voltage, tolerance):</b>	AutoSelect, 120/240VAC (-20 to +15%)
<b>Input DC Voltage (DC Voltage, tolerance):</b>	24VDC Input (22 to 32VDC)
<b>Input Frequency (Hz, tolerance):</b>	50/60Hz
<b>Input Max Current (Amps):</b>	11A/48A (AC/DC)
<b>Output AC Voltage (AC Voltage, tolerance):</b>	120VAC (±2%)
<b>Output DC Voltage (DC Voltage, tolerance):</b>	5/12VDC (±1.0V)
<b>Output Frequency (Hz, follower/changer):</b>	FC, 60Hz
<b>Output Sync Requirements:</b>	N/A
<b>Enclosure Type &amp; Size (type/rack unit, dimensions):</b>	2U Rack Mount, 3.5"H x 17"W x 18"D
<b>Enclosure Material &amp; Finish (aluminum/steel, finish):</b>	Steel
<b>Enclosure Airflow (front to rear/front to side/other):</b>	Front-to-rear
<b>Enclosure – Special (IP65/Zone 1):</b>	N/A
<b>Connector(s) AC Input (type, location):</b>	IEC-320 C14
<b>Connector(s) DC Input (type, location):</b>	Cir Mil MS3452L24-12P
<b>Connector(s) AC Output (type, location):</b>	6 each NEMA 5-15R
<b>Connector(s) DC Output (type, location):</b>	Cir Mil MS3474L10-6S
<b>Connector(s) EBP/Charger (type, location):</b>	N/A
<b>Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):</b>	N/A
<b>Battery Total Quantity:</b>	N/A
<b>Battery String Voltage:</b>	N/A
<b>Battery String (number of strings, quantity per string)</b>	N/A
<b>Battery Minimum Run Time (approx. run time at #watts):</b>	N/A
<b>Battery Mounting (hot swap/fixed):</b>	N/A
<b>Temperature:</b>	-20C to 50C
<b>Humidity:</b>	0-95%, non-condensing
<b>PFC Feature:</b>	Yes
<b>Isolation (galvanic isolation/non-isolated):</b>	Galvanic Isolation
<b>Application (shipboard/airborne/ground/all):</b>	Ground
<b>Fan Filters (EMI/dust/comboination/grill):</b>	Dust filters on front panel, EMI on rear
<b>Auto Start (manual start/auto start):</b>	Auto Start
<b>Cold Start Switch (yes/no):</b>	Yes
<b>Overload – Shutdown or Bypass (shutdown/bypass, %):</b>	Shutdown at 15% overload
<b>Conformal Coated PCBAs (yes/no):</b>	Yes
<b>Communications (SNMP2/SNMP3/RS232, type):</b>	RS-232, Opto-isolated
<b>Communications – Special (CIP/VMware ESX/ESXi/other):</b>	N/A
<b>Communications – Discrete (relay/opto, description):</b>	N/A
<b>Breaker &amp; Switch Input (rating, type, location):</b>	2P12A CB/60A Fuse (AC/DC)
<b>Breaker &amp; Switch AC Output (rating, type, location):</b>	1P10A, PR
<b>Breaker &amp; Switch DC Output (rating, type, location):</b>	40A, Fuse
<b>Neutral Bonded to Ground (bonded/un-bonded/switch):</b>	Bonded

ISO 9001: 2008 Certified

TAA Compliant

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