

# Power Conditioner

# FA10154

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

<b>Part #:</b>	<b>FA10154</b>	<b>Rev. 09172021</b>
<b>Model #:</b>	<b>IPC1150BrCs-M-0.8-GWRAC-ISOL-120v-S50/60-Bypass</b>	
<b>Unit Description:</b>	<b>1150 VA, 800 Watts, 85 thru 265 VAC, 40 to 70 Hz Input and 120 VAC, 50 or 60 Hz Output, Double Conversion, On-Line, Isolated, Rugged Conditioner with Power Factor Correction. Bypass Transformer to support 350W 120/240 Input with 120V output.</b>	

### INPUT RATINGS

Input AC Voltage (AC Voltage, tolerance):	85 VAC thru 265 VAC Wide Range
Input DC Voltage (AC Voltage, tolerance):	N/A
Input Max Current (Amps):	11.1 Amps
Input Frequency (Hz, tolerance):	40 to 70 Hz
PFC Feature:	Input Power Factor Correction
Breaker & Switch AC Input (type, location):	2P 15A P/N 5500232 Magnetic Hydraulic Circuit Breaker on the top panel

### OUTPUT RATINGS

Power Rating (VA, Watts):	1150 VA, 800 Watts
Output AC Voltage (AC Voltage, tolerance):	120 VAC, (+/-2%); 120 VAC, pass through
Output DC Voltage (DC Voltage, tolerance):	N/A

(continued)

Output Frequency (Hz, follower/changer):	50 or 60 Hz, (+/-3 Hz), selectable, changer or follower
Isolation (galvanic isolation/non-isolated):	AC output 1 isolated through GWRPFC, AC output 2-non-Isolated
Neutral Bonded to Ground (bonded/un-bonded/switch):	Bonded on output 1
Output AC Breaker & Switch (type, location):	1P 10 Amp for output 1, 1P5A for output 2
Output Overload – Shutdown or Bypass:	Shutdown @ 15% overload
<b>MECHANICAL</b>	
Enclosure Type & Size (type/rack unit, dimensions):	5.00"H x 15" W x 17.5" L UPS, Briefcase, 24.6" W x 19.7" L x 11.7"
Enclosure Material & Finish (aluminum/steel finish):	Aluminum, powder coated charcoal gray
Enclosure Airflow (front to rear/front to side/other):	Top to side
Weight:	49.9 lbs. with Pelican Case
Fan Filters (EMI/dust/combination/grill):	Dust
Conformal Coated PCBAs (yes/no):	Yes
<b>INTERFACE COMMUNICATIONS</b>	
Serial Data Stream (SNMP v3/RS232, type):	RS-232, Opto-Isolated
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 IEC 60320 C14, panel mounted, top
Connector(s) AC Output (type, location):	4 each NEMA 5-15R; 2 each NEMA 5-15R (Bypass connector)
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):	-20°C to +50°C
Humidity:	5%-95% non-condensing

Specifications subject to change without notice.