

Uninterruptible Power System (UPS)

FA00009

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.



Uninterruptible Power System (UPS)

Part #:	FA00009	102121
Model #:	IQ1100V-Isol-FC-PFC-B	
Unit Description:	Double Conversion, Rugged, Isolated, Online UPS System with Frequency Conversion and Power Factor Correction.	

INPUT RATINGS	
Input AC Voltage (AC Voltage, tolerance):	120 VAC, (-25% +15%)
Input DC Voltage (DC Voltage, tolerance):	N/A
Input Frequency (Hz, tolerance):	45 thru 450 Hz
Input Max Current with Inverter Output (Amps):	12 Amps
PFC Feature:	Input power factor correction
Breaker & Switch Input (type, location):	Push to Reset, Rear Panel
OUTPUT RATINGS	
Power Rating (VA, Watts):	1100 VA, 750 W
Output AC Voltage (AC Voltage, tolerance):	120 VAC, (±3%)
Output DC Voltage (DC Voltage, tolerance):	N/A
Output Frequency (Hz, follower/changer):	60 Hz, Changer

(continued)

Isolation (galvanic isolation/non-isolated):	Galvanic Isolation
Neutral Bonded to Ground (bonded/un-bonded/switch):	Bonded
Breaker & Switch AC Output (type, location):	Push to Reset, Rear Panel
Overload – Shutdown or Bypass (shutdown/bypass, %):	Shutdown at 115%
MECHANICAL	
Enclosure Type & Size (type/rack unit, dimensions):	Vertical/Free Standing, 5.25" W X 17"H X 17"D
Enclosure Material & Finish (aluminum/steel, finish):	Steel
Enclosure Airflow (front to rear/front to side/other):	Front to rear
Enclosure – Special (IP65/Zone 1):	N/A
Weight:	Approx. 75 lbs.
Fan Filters (EMI/dust/comboination/grill):	Grill, Rear Exhaust
Conformal Coated PCBAs (yes/no):	Yes
INTERFACE COMMUNICATIONS	
Communications (SNMP2/SNMP3/RS232, type):	RS232 port, DA-15 D-subminiature, Opto-Isolated, Rear Panel
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
Connector(s) DC Input (type, location):	N/A
Connector(s) AC Output (type, location):	4 each NEMA 5-15R, Rear Panel
Connector(s) DC Output (type, location):	N/A
Connector(s) EBP/Charger (type, location):	N/A
BATTERIES	
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):	12V8.5Ah, Pure Lead Acid
Battery Total Quantity:	3
Battery String Voltage:	36 VDC
Battery String (number of strings, quantity per string)	1 String of 3
Battery Minimum Run Time (approx. run time at #watts):	9 minutes at 750 W
Battery Mounting (hot swap/fixe):	Fixed
EMI and ENVIRONMENTAL	
Application (shipboard/airborne/ground/all):	All
Operating Temperature:	0°C to +45°C
Humidity:	0-95%, non-condensing

Specifications subject to change without notice.