

# Uninterruptible Power System (UPS)

# FA00001

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 #:	FA00001	102121
Model #:	IQ625RM-M-0.5kw-DiAC-Isol-PFC-8BHS-1U27	
Unit Description:	Global Input Rugged Rack Mount Double Conversion On Line UPS & Isolated Power Conditioning System with Frequency Conversion, Auto-select Input Voltage Select, Power Factor Correction, Front Panel Hot Swap Battery & SNMP Communications for Military Applications in a 1U Enclosure	

INPUT RATINGS	
Input AC Voltage (AC Voltage, tolerance):	115 or 230 VAC, (-25% +15%), Auto Select
Input DC Voltage (DC Voltage, tolerance):	N/A
Input Frequency (Hz, tolerance):	50 or 60 Hz
Input Max Current with Inverter Output (Amps):	10 Amps
PFC Feature:	Input power factor correction
Breaker & Switch Input (type, location):	Toggle Switch, Front Panel
OUTPUT RATINGS	
Power Rating (VA, Watts):	625 VA, 500 W
Output AC Voltage (AC Voltage, tolerance):	115 VAC, (±3%)
Output DC Voltage (DC Voltage, tolerance):	N/A
Output Frequency (Hz, follower/changer):	50 or 60 Hz, Follower

(continued)

Isolation (galvanic isolation/non-isolated):	Galvanic Isolation
Neutral Bonded to Ground (bonded/un-bonded/switch):	N/A
Breaker & Switch AC Output (type, location):	Push to Reset, Rear Panel
Overload – Shutdown or Bypass (shutdown/bypass, %):	Bypass after 9 seconds at 120%, Instantaneous at 205%
<b>MECHANICAL</b>	
Enclosure Type & Size (type/rack unit, dimensions):	Rack Mountable 1U, 1.75"H x 17.5" W x 27" D
Enclosure Material & Finish (aluminum/steel, finish):	Aluminum, chem. coated, charcoal gray
Enclosure Airflow (front to rear/front to side/other):	Front to rear
Enclosure – Special (IP65/Zone 1):	N/A
Weight:	Approximately 24 lbs.
Fan Filters (EMI/dust/comboination/grill):	None
Conformal Coated PCBAs (yes/no):	No
<b>INTERFACE COMMUNICATIONS</b>	
Communications (SNMP2/SNMP3/RS232, type):	SNMP, Ethernet Jack, Rear Panel
Communications – Special (CIP/VMware ESX/ESXi/other):	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-320 C14, Rear Panel
Connector(s) DC Input (type, location):	N/A
Connector(s) AC Output (type, location):	4 each NEMA 5-20R, Rear Panel
Connector(s) DC Output (type, location):	N/A
Connector(s) EBP/Charger (type, location):	N/A
<b>BATTERIES</b>	
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):	12V2.9Ah, Lead Acid
Battery Total Quantity:	8
Battery String Voltage:	96 VDC
Battery String (number of strings, quantity per string)	1, 8
Battery Minimum Run Time (approx. run time at #watts):	8 minutes at 500W
Battery Mounting (hot swap/fixe):	Hot Swap
<b>EMI and ENVIRONMENTAL</b>	
Application (shipboard/airborne/ground/all):	All
Operating Temperature:	-10°C to +40°C
Humidity:	0-95%, non-condensing

Specifications subject to change without notice.