

# **UNINTERRUPTIBLE POWER SYSTEM (UPS)**

Bright UPS 3kVA, 3kW High Temp Double Conversion On-Line Isolated 230VAC, 50/60Hz Input UPS with 120VAC, 60Hz Output, Power Factor Correction, Extended Internal Batteries.





Part # FA10302

Model # IHT3000RM-M-3.0Kw-230V-Isol-FC60-120V-FC60-9BFB-3U26

## **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.







IP Part #:   FA10302   Pr Model #:   IH73000RM-M-3.0Kw-230V-Isol-FC60-12V-FC60-9BFB-3U26   Bright UPS 3kVA, 3kW High Temp Double Conversion On-Line Isolated 230VAC, 50/60Hz Input UPS with 120VAC, 60Hz Output, Power Factor Correction, Extended Internal Batteries.   Septiment of Part o	Uninterruntible Dower System (UDS)			
P Model #: IHT3000RM-M-3.0Kw 230V-Isol-FC60-120V-FC60-98FB-3U26   Bright UPS 3kVA, 3kW High Temp Double Conversion On-Line Isolated 230VAC, 50/60Hz Input UPS with 120VAC, 60Hz Description: Output, Power Factor Correction, Extended Internal Batteries.   SPECIFICATIONS   SPECIFICATION   S	Uninterruptible Power System (UPS)			
Unit Description: Bright UPS 3kVA, 3kW High Temp Double Conversion On-Line Isolated 230VAC, 50/60Hz Input UPS with 120VAC, 60Hz Description: Output, Power Factor Correction, Extended Internal Batteries.  SPECIFICATIONS  Dower Rating (VA, Watts): 3000VA, 3000W Imput AC Voltage (AC Voltage, tolerance): 120 VAC, (21% to +15%) Imput AC Voltage (DC Voltage, tolerance): 171 os 3 Hz Imput Frequency (Hz, tolerance): 172 output AC Voltage (AC Voltage, tolerance): 172 output AC Voltage (AC Voltage, tolerance): 173 os 3 Hz Imput Experience (Varge, tolerance): 174 os 3 Hz Imput Experience (Varge, tolerance): 175 output AC Voltage (AC Voltage, tolerance): 170 output AC Voltage, tolerance): 170 output AC Voltage (AC Voltage, tolerance): 170 output (Type, location, pin outs): 170 output (Type, loca				
Description: Output, Power Factor Correction, Extended Internal Batteries.  Power Rating (VA, Watts): 3000VA, 3000W Input AC Voltage (AC Voltage, tolerance): 230 VAC, (21% to +15%) Input DC Voltage (CD Voltage, tolerance): 120 VAC, (21% to +15%) Input Frequency (Hs, tolerance): 47 to 63 Hz Input Max Current (Amps): 21.48A Output AC Voltage (AC Voltage, tolerance): 120 VAC, (±5%) Output DC Voltage (AC Voltage, tolerance): 120 VAC, (±5%) Output DC Voltage (AC Voltage, tolerance): 120 VAC, (±5%) Output DC Voltage (AC Voltage, tolerance): N/A Output Frequency (Hs, follower/Indanger): 60 Hz Changer Output DC Voltage (AC Voltage, tolerance): N/A Output Frequency (Hs, follower/Indanger): 60 Hz Changer Output Syrk Requirements: N/A Frontions (Hs, follower/Indanger): 60 Hz Changer Output Syrk Requirements: N/A Frontions (Hs, follower/Indanger): 60 Hz Changer Output Syrk Requirements: N/A Frontions (Hs, follower/Indanger): 60 Hz Changer Output Syrk Requirements: N/A Frontions (Hs, follower/Indanger): 70 Hz Changer Output Syrk Requirements: N/A Frontions (Hs, follower/Indanger): 10 Hz Changer Output Syrk Requirements: N/A Frontions (Hs, follower/Indanger): 10 Hz Changer Output Syrk Requirements: N/A Frontions (Hs, follower/Indanger): 10 Hz Changer Output Syrk Requirements: 10				
Power Rating (VA, Watts):  3000VA, 3000W  input AC Voltage (AC Voltage, tolerance): 3000VA, 3000W  230 VAC, (-21% to +15%)  input DC Voltage (DC Voltage, tolerance): N/A  input Frequency (Hz, tolerance): 120 VAC, (-21% to +15%)  21.48A  Output AC Voltage (AC Voltage, tolerance): 120 VAC, (-25%)  Output AC Voltage (DC Voltage, tolerance): 21.48A  Output AC Voltage (AC Voltage, tolerance): N/A  Output AC Voltage (AC Voltage, tolerance): N/A  Output AC Voltage (DC Voltage, tolerance): N/A  Output AC Voltage (AC Voltage, tolerance): N/A  Output Frequency (Hz, follower/changer): Output Sync Requirements: N/A  Rack Mountable 3U, 5.22"H x 17"W x 26"D  Enclosure Vyne & Size (type/rack unit, dimensions): Rack Mountable 3U, 5.22"H x 17"W x 26"D  Enclosure Alridow (front to rear/front to side/other): Front to Rear  Enclosure Alridow (front to rear/front to side/other): Front to Rear  Enclosure — Special ((P65/Zone 1): N/A  Connector(s) DC (input (type, location, pin outs): N/A  Connector(s) DC (input (type, location, pin outs): N/A  Connector(s) DC (output (type, location, pin outs): N/A  Connector(s) EBP/Charger (type, location, pin outs): N/A  Sattery Total Quantity: Sattery Total Quantity: Sattery Total Quantity: Sattery Total Quantity: Sattery String (number of strings, quantity per string) Sattery String (number of strings, quantity per string) Sattery String (number of strings, quantity per string) Sattery Minimum Run Time (approx. run time at Rwatts): Output (prep. location, pin outs): Output (prep.	Unit			
Power Rating [VA, Watsis]: 3000VA, 3000W  input CV Voltage (DC Voltage, tolerance): 230 VAC, (21% to +15%) input Frequency [kt, tolerance): 47 to 3 Hz input Max Current [Amps]: 21.48A  Output AV Voltage (AC Voltage, tolerance): 120 VAC, (±5%) Output DC Voltage (DC Voltage, tolerance): 120 VAC, (±5%) Output Frequency [kt, follower/changer]: 60 Hz Changer  Output Frequency [kt, follower/changer]: 60 Hz Changer  Output Syns Requirements: N/A  Inclosure Type & Size [type/rack unit, dimensions]: Rack Mountable 3U, 5.22"H x 17"W x 26"D  Enclosure Material & Finish (aluminum/steel, finish): Aluminum  Enclosure Airok (front to rear/fort to side/other): Front to Rear  Enclosure — Special [P65/Zone 1]: N/A  Connector(s) Curput (type, location, pin outs): 1 each IEC-60320 C20, Rear Panel  Connector(s) DC input (type, location, pin outs): N/A  Connector(s) Cutput (type, location, pin outs): N/A  Connector(s) Cutput (type, location, pin outs): N/A  Connector(s) EBP/Change PAcid/Lithium Iron): N/A  Sattery Tytor [Apa Pacid/Pure PAcid/Lithium Iron): 1 N/A  Sattery Tytor [Voltage: 1 N/A  Sattery String Voltage: 1 N/A  Sattery String Voltage: 1 N/A  Sattery String (number of strings, quantity per string) 1 N/A  Sattery String (number of strings, quantity per string) 1 N/A  Sattery Minimum Run Time (apor Ox. run time at #watts): 1 N/A  Sattery Minimum Run Time (apor Ox. run time at #watts): 1 N/A  Sattery Mounting (hot swap/fixed): Fixed  Sattery Minimum Run Time (apor Ox. run time at #watts): 1 N/A  Sattery Mounting (hot swap/fixed): Fixed  Sattery Minimum Run Time (apor Ox. run time at #watts): 1 N/A  Sattery Mounting (hot swap/fixed): Fixed  Sattery Minimum Run Time (apor Ox. run time at #watts): 1 N/A  Sattery Mounting (hot swap/fixed): Fixed  Sattery Mounting (hot swap/fixed): Fixed  Sattery Mounting (hot swap/fixed): N/A  Sattery Mounting (hot swap/f	Description:	Output, Power Factor Correction, Extended	d Internal Batteries.	
Imput AC Voltage (AC Voltage, tolerance): Imput DC Voltage (DC Voltage, tolerance): Imput Max Current (Amps): Output Frequency (Hz, tolerance): Imput Max Current (Amps): Output AC Voltage (AC Voltage, tolerance): Output Sync Requirements: N/A Output Sync Requirements: N/A  Enclosure Type & Size (type/rack unit, dimensions): Rack Mountable 3U, 5.22"H x 17"W x 26"D Enclosure Martial & Finish (aluminum/steel, finish): Aluminum Enclosure Airflow (Front to rear/Front to side/other): Enclosure Airflow (Front to rear/Front to side/other): Enclosure Airflow (Front to rear/Front to side/other): Enclosure Airflow (Tront to rear/Front to side/other): Enclosure Airflow (Tront to rear/Front to side/other): Enclosure Airflow (Tront to rear/Front to side/other): Enclosure Special (IP65/Zone 1): N/A Connector(s) AC Input (type, location, pin outs): Onnector(s) AC Input (type, location, pin outs): N/A Connector(s) DC Output (type, location, pin outs): N/A Sattery Total Quantity: Sattery String (Subscience): Sattery String Subscienc	SPECIFICATIONS			
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Output DC Voltage (DC Voltage, tolerance):  Output Sync Requency (Hz, follower/changer):  Output Sync Requirements:  N/A  Enclosure Type & Size (type/rack unit, dimensions): Enclosure Mareia & Finish (duminum/steel, finish): Enclosure Airflow (front to rear/front to side/other): Enclosure — Special (IP65/Zone 1):  N/A  Connector(s) AC Input (type, location, pin outs):  Connector(s) DC Input (type, location, pin outs):  Connector(s) DC Input (type, location, pin outs):  Connector(s) DC Output (type, location, pin outs):  Connector(s) DC Output (type, location, pin outs):  Connector(s) DC Output (type, location, pin outs):  Connector(s) EBP/Charger (type, location, pin outs):  N/A  Connector(s) EBP/Charger (type, location, pin outs):  Sattery Type (rating, Pbacid/Pure Pbacid/Lithium Iron):  Battery Type (rating, Pbacid/Pure Pbacid/Lithium Iron):  Battery String (Voltage):  Battery String (Noltage):  Battery String (number of strings, quantity per string)  Battery Minimum Run Time (approx. run time at #watts):  Battery Mounting (hot swap/fixed):  Fixed  Battery Mounting (hot swap/fixed):  Fixed  Battery Mounting (hot swap/fixed):  Fixed  Fixed  Dough String (string):  Fixed  Dough String (string):  Bolation (galvanic isolation/non-isolated):  Aloridan Start (manual start/suonal start):  Cold Start Switch (yes/no):  Overload – Shutdown or Bypass (shutdown/bypass, %):  Communications – Special (ICIP/VMware ESX/ESX/other):  Communications – Special (ICIP/VMware ESX/ESX/other):  Communications – Special (ICIP/VMware ESX/ESX/other):  N/A  Bonded	Input Max Current (Amps):			
Output Frequency (Hz, follower/changer):  Output Sync Requirements:  N/A  Inclosure Type & Size (type/rack unit, dimensions):  Enclosure Material & Finish (aluminum/steel, finish):  Enclosure Airflow (front to rear/front to side/other):  Enclosure - Special (IP65/Zone 1):  N/A  Connector(s) AC Input (type, location, pin outs):  Connector(s) AC Input (type, location, pin outs):  Connector(s) AC Input (type, location, pin outs):  Connector(s) AC Output (type, location, pin outs):  N/A  Connector(s) AC Output (type, location, pin outs):  N/A  Connector(s) DC Output (type, location, pin outs):  N/A  Sattery Type (rating, Pbacid/Pure Pbacid/Lithium Iron):  Battery Type (rating, Pbacid/Pure Pbacid/Lithium Iron):  Battery String (number of strings, quantity per string)  Battery String (number of strings, quantity per string)  Battery Minimum Run Time (approx. run time at #watts):  Battery Minimum Run Time (approx. run time at #watts):  Battery Mounting (hot swap/fixed):  Emperature (operating, storage):  Humidity:  O-95%, non-condensing  PFC Feature:  Input power factor correction  Solation (galvanic Isolation/non-isolated):  Application (shipboard/airborne/ground/all):  Fan Filters (EMI/dust/combination/grill):  Auto start  Cold Start Switch (yes/no):  No  Overload - Shutdown or Bypass (shutdown/bypass, %):  Shutdown at 5% Overload  Conformal Coated PCBAs (yes/no):  N/A  Communications - Special (CIPV/Mware ESX/ESX/Jother):  N/A  No  Overload - Shutdown or Bypass (shutdown/bypass, %):  Shutdown at 5% Overload  Communications - Special (CIPV/Mware ESX/ESX/Jother):  N/A  Communications - Discrete (relay/opto, description):  N/A  No  No  No  No  No  No  No  No  No  N	Output AC Voltage (AC Voltage, tolerance):			
Output Sync Requirements:  Inclosure Type & Size (type/rack unit, dimensions):  Enclosure Pyne & Size (type/rack unit, dimensions):  Enclosure Airflow (front to rear/front to side/other):  Enclosure - Special (IP65/Zone 1):  N/A  Connector(s) AC Input (type, location, pin outs):  Connector(s) AC Input (type, location, pin outs):  Connector(s) DC Input (type, location, pin outs):  Connector(s) DC Output (type, location, pin outs):  N/A  Connector(s) DC Output (type, location, pin outs):  N/A  Sattery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):  Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):  Battery String Voltage:  Battery String (lomber of strings, quantity per string)  Battery Minimum Run Time (approx. run time at #watts):  Battery Muncurrent: (Start/End of Battery)  Battery Muncurrent: (Start/End of Battery	Output DC Voltage (DC Voltage, tolerance):			
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Enclosure – Special (IP65/Zone 1):  Connector(s) AC Input (type, location, pin outs):  Connector(s) DC Input (type, location, pin outs):  Connector(s) DC Output (type, location, pin outs):  Connector(s) DC Output (type, location, pin outs):  Connector(s) DC Output (type, location, pin outs):  Connector(s) EBP/Charger (type, location, pin outs):  N/A  Connector(s) EBP/Charger (type, location, pin outs):  N/A  Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):  Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):  Battery String Voltage:  Battery String Voltage:  Battery String (number of strings, quantity per string)  Battery Minimum Run Time (approx. run time at #watts):  Battery Minimum Run Time (approx. run time at #watts):  Battery Run Current: (Start/End of Battery)  Battery Mounting (hot swap/fixed):  Fixed  Femperature (operating, storage):  -1.0°C to 50°C Operating, -20°C to 60°C Storage  Humidity:  -0.95%, non-condensing  PPCF Feature:  Input power factor correction  Solation (galvanic Isolation/non-isolated):  Galvanic Isolation  Application (shipboard/airborne/ground/all):  Garound  Fan Filters (EMI/dust/combination/grill):  Auto Start (manual start/auto start):  Cold Start Switch (yes/no):  Overload - Shutdown or Bypass (shutdown/bypass, %):  Conformal Coated PCBAS (yes/no):  Communications - Oiscrete (relay/opto, description):  Breaker & Switch Drou (rating, type, location):  Breaker & Switch Input (rating, type, location):  N/A  Noutral Bonded  Noutral Bonded  Bonded	Enclosure Material & Finish (aluminum/steel, finish):			
Connector(s) AC Input (type, location, pin outs): Connector(s) DC Input (type, location, pin outs): Connector(s) DC Output (type, location, pin outs): Connector(s) DC Output (type, location, pin outs): Connector(s) DC Output (type, location, pin outs): Connector(s) EBP/Charger (type, location, pin outs): N/A  Sattery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): Battery String (Natage: Battery String (Natage: Battery String (Natage: Battery String (number of strings, quantity per string) Battery String (number of strings, quantity per string) Battery Minimum Run Time (approx. run time at #watts): D minutes at 2500 W Battery Mounting (hot swap/fixed): Fixed Fixed Fixed  1-0°C to 50°C Operating, -20°C to 60°C Storage Humidity: D-95%, non-condensing FFC Feature: Input power factor correction Stolation (galvanic isolation/non-isolated): Galvanic Isolation  Application (shipboard/airborne/ground/all): Ground Fan Filters (EMI/dust/combination/grill): EMI Filter on front panel Auto Start (manual start/auto start): Auto Start (manual start/auto start	Enclosure Airflow (front to rear/front to side/other):			
Connector(s) DC Input (type, location, pin outs): Connector(s) AC Output (type, location, pin outs): Connector(s) DC Output (type, location, pin outs): Connector(s) DC Output (type, location, pin outs): N/A Connector(s) BEP/Charger (type, location, pin outs): N/A Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): Battery Total Quantity: 9 Battery Total Quantity: 9 Battery String Voltage: Battery String (number of strings, quantity per string) 1, 9 Battery Winimum Run Time (approx. run time at #watts): Battery Minimum Run Time (approx. run time at #watts): Battery Munimum Run Time (approx. run time at #watts): Battery Mounting (hot swap/fixed): Fixed Fixed Fixed Battery Mounting (hot swap/fixed): Fixed Fi	Enclosure – Special (IP65/Zone 1):			
Connector(s) AC Output (type, location, pin outs): Connector(s) DC Output (type, location, pin outs): Connector(s) EBP/Charger (type, location, pin outs): N/A Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): Battery Tyte (rating, PbAcid/Pure PbAcid/Lithium Iron): Battery String (voltage: Battery String (voltage: Battery String (number of strings, quantity per string) Battery String (number of strings, quantity per string) Battery Minimum Run Time (approx. run time at #watts): Battery Minimum Run Time (approx. run time at #watts): Battery Mounting (hot swap/fixed): Fixed Temperature (operating, storage): Humidity: O-95%, non-condensing PFC Feature: Input power factor correction Galvanic Isolation (galvanic Isolation/non-Isolated): Galvanic Isolation (shipboard/airborne/ground/all): Garound Fan Filters (EMI/dust/combination/grill): Batter (EMI/dust/combination/grill): Auto Start (manual start/auto start): Outerload – Shutdown or Bypass (shutdown/bypass, %): Shutdown at 5% Overload Conformal Coated PCBAS (yes/no): Ves Communications – Discrete (relay/opto, description): N/A Breaker & Switch Input (rating, type, location): N/A Neutral Bonded to Ground (bonded/un-bonded/switch): Bonded	Connector(s) AC Input (type, location, pin outs):		1 each IEC-60320 C20, Rear Panel	
Connector(s) DC Output (type, location, pin outs): Connector(s) EBP/Charger (type, location, pin outs): Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): Battery String Voltage: Battery String (number of strings, quantity per string) Battery String (number of strings, quantity per string) Battery String (number of strings, quantity per string) Battery Minimum Run Time (approx. run time at #watts): Battery Minimum Run Time (approx. run time at #watts): Battery Minimum Run Time (approx. run time at #watts): Battery Mounting (hot swap/fixed): Fixed Fi			N/A	
Connector(s) EBP/Charger (type, location, pin outs): Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): Battery Total Quantity: Battery String Voltage: Battery String (number of strings, quantity per string) Battery String (number of strings, quantity per string) Battery Minimum Run Time (approx. run time at #watts): Battery Minimum Run Time (approx. run time at #watts): Battery Mounting (hot swap/fixed): Fixed Battery Mounting (hot swap/fixed): Fixed Fixed Fixed  1-10°C to 50°C Operating, -20°C to 60°C Storage Humidity: Fixed Fixed Galvanic Isolation/non-isolated): Galvanic Isolation (shipboard/airborne/ground/all): Ground Fan Filters (EMI/dust/combination/grill): Auto Start (manual start/auto start): Cold Start Switch (yes/no): Overload - Shutdown or Bypass (shutdown/bypass, %): Conformal Coated PCBAs (yes/no): Communications (SNMPZ/SNMP3/RS232, type): Communications - Special (CIP/VMware ESX/ESXi/other): Communications - Discrete (relay/opto, description): Breaker & Switch DC Output (rating, type, location): N/A Neutral Bonded to Ground (bonded/un-bonded/switch): Bonded	Connector(s) AC Output (type, location, pin outs):		6 each IEC-60320 C13, Rear Panel	
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): Battery Total Quantity: 9 Battery String Voltage: 108 Battery String (number of strings, quantity per string) 1, 9 Battery Minimum Run Time (approx. run time at #watts): Battery Minimum Run Time (approx. run time at #watts): Battery Mounting (hot swap/fixed): Fixed  Temperature (operating, storage): Humidity: PFC Feature: Input power factor correction Bolation (galvanic isolation/non-isolated): Galvanic Isolation Application (shipboard/airborne/ground/all): Fan Filters (EMI/dust/combination/grill): Auto Start (manual start/auto start): Cold Start Switch (yes/no): Conformal Coated PCBAs (yes/no): Communications - Shutdown or Bypass (shutdown/bypass, %): Communications - Discrete (relay/opto, description): Breaker & Switch AC Output (rating, type, location): No No No No Breaker & Switch AC Output (rating, type, location): No No No No Breaker & Switch AC Output (rating, type, location): No				
Battery Total Quantity:  Battery String Voltage:  108  Battery String (number of strings, quantity per string)  Battery Minimum Run Time (approx. run time at #watts):  10 minutes at 2500 W  Battery Munting (hot swap/fixed):  Fixed  1-10°C to 50°C Operating, -20°C to 60°C Storage  Humidity:  1-10°C to 50°C Operating, -20°C to 60°C Storage  Humidity:  PFC Feature:  Input power factor correction  Balation (galvanic isolation/non-isolated):  Galvanic Isolation  Saloation (galvanic isolation/non-isolated):  Galvanic Isolation  Saloation (shipboard/airborne/ground/all):  Fan Filters (EMI/dust/combination/grill):  EMI Filter on front panel  Auto Start (manual start/auto start):  Cold Start Switch (yes/no):  Overload – Shutdown or Bypass (shutdown/bypass, %):  Conformal Coated PCBAs (yes/no):  Communications – Special (CIP/VMware ESX/ESXi/other):  Communications – Special (CIP/VMware ESX/ESXi/other):  Communications – Discrete (relay/opto, description):  Breaker & Switch AC Output (rating, type, location):  No  Nouterla Bonded to Ground (bonded/un-bonded/switch):  Bonded			N/A	
Battery String Voltage: Battery String (number of strings, quantity per string) Battery String (number of strings, quantity per string) Battery Minimum Run Time (approx. run time at #watts): Battery Minimum Run Time (approx. run time at #watts): Battery Mounting (hot swap/fixed): Battery Mounting (hot swap/fixed): Fixed  Femperature (operating, storage): Humidity: D-95%, non-condensing Input power factor correction Bolation (salvanic isolation/non-isolated): Galvanic Isolation Application (shipboard/airborne/ground/all): Ground Fan Filters (EMI/dust/combination/grill): EMI Filter on front panel Auto Start (manual start/auto start): Auto start Cold Start Switch (yes/no): Overload – Shutdown or Bypass (shutdown/bypass, %): Conformal Coated PCBAs (yes/no):  Communications (SNMP2/SNMP3/RS232, type): Communications (SNMP2/SNMP3/RS232, type): Communications – Special (CIP/VMware ESX/ESXi/other): N/A Communications – Discrete (relay/opto, description): Breaker & Switch Input (rating, type, location): Breaker & Switch DC Output (rating, type, location): N/A Neutral Bonded to Ground (bonded/un-bonded/switch): Bonded	Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):			
Battery String (number of strings, quantity per string) Battery Minimum Run Time (approx. run time at #watts): Battery Minimum Run Time (approx. run time at #watts): Battery Run Current: (Start/End of Battery) Battery Mounting (hot swap/fixed): Fixed  Temperature (operating, storage):  -10°C to 50°C Operating, -20°C to 60°C Storage  Humidity: O-95%, non-condensing Input power factor correction  Bolation (galvanic isolation/non-isolated): Galvanic Isolation Application (shipboard/airborne/ground/all): Fan Filters (EMI/dust/combination/grill): Auto Start (manual start/auto start): Cold Start Switch (yes/no): Overload – Shutdown or Bypass (shutdown/bypass, %): Conformal Coated PCBAs (yes/no): Ves Communications (SNMP2/SNMP3/RS232, type): RS232 DE-9 D-sub port, Opto-isolated Rear Panel Communications – Discrete (relay/opto, description): N/A Communications – Discrete (relay/opto, description): Breaker & Switch Input (rating, type, location): Breaker & Switch DC Output (rating, type, location): N/A Neutral Bonded to Ground (bonded/un-bonded/switch): Bonded	Battery Total Quantity:		9	
Battery Minimum Run Time (approx. run time at #watts):  Battery Run Current: (Start/End of Battery)  Battery Mounting (hot swap/fixed):  Fixed  Temperature (operating, storage):  Humidity:  O-95%, non-condensing  Input power factor correction  Isolation (galvanic isolation/non-isolated):  Galvanic Isolation  Application (shipboard/airborne/ground/all):  Fan Filters (EMI/dust/combination/grill):  Auto start (manual start/auto start):  Cold Start Switch (yes/no):  Overload – Shutdown or Bypass (shutdown/bypass, %):  Communications (SNMP2/SNMP3/RS232, type):  Communications (SNMP2/SNMP3/RS232, type):  Communications – Special (CIP/VMware ESX/ESXi/other):  No  Communications – Discrete (relay/opto, description):  Breaker & Switch Input (rating, type, location):  Breaker & Switch DC Output (rating, type, location):  Bonded  No  No  No  No  No  Soverload  Soverlo	Battery String Voltage:			
Battery Run Current: (Start/End of Battery)  Battery Mounting (hot swap/fixed):  Fixed  Fixed  Fixed  -10°C to 50°C Operating, -20°C to 60°C Storage  Humidity:  0-95%, non-condensing  PFC Feature:  Input power factor correction  Solation (galvanic isolation/non-isolated):  Galvanic Isolation  Application (shipboard/airborne/ground/all):  Fan Filters (EMI/dust/combination/grill):  Auto Start (manual start/auto start):  Cold Start Switch (yes/no):  Overload – Shutdown or Bypass (shutdown/bypass, %):  Comformal Coated PCBAs (yes/no):  Communications (SNMP2/SNMP3/RS232, type):  Communications (SNMP2/SNMP3/RS232, type):  Communications – Special (CIP/VMware ESX/ESXi/other):  Communications – Discrete (relay/opto, description):  Breaker & Switch Input (rating, type, location):  Breaker & Switch DC Output (rating, type, location):  N/A  Neutral Bonded to Ground (bonded/un-bonded/switch):  Bonded			1, 9	
Battery Mounting (hot swap/fixed):  Temperature (operating, storage):  Humidity:  0-95%, non-condensing  Input power factor correction  Isolation (galvanic isolation/non-isolated):  Application (shipboard/airborne/ground/all):  Fan Filters (EMI/dust/combination/grill):  Auto Start (manual start/auto start):  Cold Start Switch (yes/no):  Overload – Shutdown or Bypass (shutdown/bypass, %):  Communications (SNMP2/SNMP3/RS232, type):  Communications (SNMP2/SNMP3/RS232, type):  Communications – Special (CIP/VMware ESX/ESXi/other):  Communications – Discrete (relay/opto, description):  Breaker & Switch Input (rating, type, location):  Breaker & Switch DC Output (rating, type, location):  N/A  Neutral Bonded to Ground (bonded/un-bonded/switch):  Bonded	Battery Minimum Run Time (approx. run time at #watts):		10 minutes at 2500 W	
Temperature (operating, storage):  -10°C to 50°C Operating, -20°C to 60°C Storage  Humidity:  0-95%, non-condensing  Input power factor correction  Solation (galvanic isolation/non-isolated):  Application (shipboard/airborne/ground/all):  Fan Filters (EMI/dust/combination/grill):  Auto start (manual start/auto start):  Cold Start Switch (yes/no):  Overload – Shutdown or Bypass (shutdown/bypass, %):  Communications (SNMP2/SNMP3/RS232, type):  Communications – Special (CIP/VMware ESX/ESXi/other):  Communications – Discrete (relay/opto, description):  Breaker & Switch Input (rating, type, location):  Breaker & Switch AC Output (rating, type, location):  Breaker & Switch DC Output (rating, type, location):  N/A  Neutral Bonded to Ground (bonded/un-bonded/switch):  Breaker & Switch DC Output (rating, type, location):	Battery Run Current: (Start/End of Battery)		41.67Adc	
Humidity:  O-95%, non-condensing  Input power factor correction  Input power factor correction  Galvanic Isolation (galvanic isolation/non-isolated):  Galvanic Isolation  Application (shipboard/airborne/ground/all):  Fan Filters (EMI/dust/combination/grill):  Auto Start (manual start/auto start):  Cold Start Switch (yes/no):  Overload – Shutdown or Bypass (shutdown/bypass, %):  Conformal Coated PCBAs (yes/no):  Communications (SNMP2/SNMP3/RS232, type):  Communications – Special (CIP/VMware ESX/ESXi/other):  Communications – Discrete (relay/opto, description):  Breaker & Switch Input (rating, type, location):  Breaker & Switch AC Output (rating, type, location):  Breaker & Switch DC Output (rating, type, location):  N/A  Neutral Bonded to Ground (bonded/un-bonded/switch):  Bonded	Battery Mounting (hot swap/fixed):			
Input power factor correction				
Solation (galvanic isolation/non-isolated): Galvanic Isolation	Humidity:		,	
Application (shipboard/airborne/ground/all):  Fan Filters (EMI/dust/combination/grill):  Auto Start (manual start/auto start):  Cold Start Switch (yes/no):  Overload – Shutdown or Bypass (shutdown/bypass, %):  Comformal Coated PCBAs (yes/no):  Communications (SNMP2/SNMP3/RS232, type):  Communications - Special (CIP/VMware ESX/ESXi/other):  Communications – Discrete (relay/opto, description):  Breaker & Switch Input (rating, type, location):  Breaker & Switch AC Output (rating, type, location):  Breaker & Switch DC Output (rating, type, location):  N/A  Neutral Bonded to Ground (bonded/un-bonded/switch):  Bonded	PFC Feature:			
Fan Filters (EMI/dust/combination/grill):  Auto Start (manual start/auto start):  Cold Start Switch (yes/no):  Overload – Shutdown or Bypass (shutdown/bypass, %):  Conformal Coated PCBAs (yes/no):  Communications (SNMP2/SNMP3/RS232, type):  Communications - Special (CIP/VMware ESX/ESXi/other):  Communications – Discrete (relay/opto, description):  Breaker & Switch Input (rating, type, location):  Breaker & Switch AC Output (rating, type, location):  Breaker & Switch DC Output (rating, type, location):  N/A  Neutral Bonded to Ground (bonded/un-bonded/switch):  Bonded				
Auto Start (manual start/auto start):  Cold Start Switch (yes/no):  Overload – Shutdown or Bypass (shutdown/bypass, %):  Conformal Coated PCBAs (yes/no):  Communications (SNMP2/SNMP3/RS232, type):  Communications – Special (CIP/VMware ESX/ESXi/other):  Communications – Discrete (relay/opto, description):  Breaker & Switch Input (rating, type, location):  Breaker & Switch AC Output (rating, type, location):  Breaker & Switch DC Output (rating, type, location):  N/A  Neutral Bonded to Ground (bonded/un-bonded/switch):  Auto start  No  No  No  Shutdown at 5% Overload  N/A  RS232 DE-9 D-sub port, Opto-isolated Rear Panel  N/A  N/A  Special (CIP/VMware ESX/ESXi/other):  N/A  Special (CIP/VMware ESX/ESXi/other):  N/A  Breaker & Switch Input (rating, type, location):  N/A  Neutral Bonded to Ground (bonded/un-bonded/switch):  Bonded				
Cold Start Switch (yes/no):  Overload – Shutdown or Bypass (shutdown/bypass, %):  Conformal Coated PCBAs (yes/no):  Communications (SNMP2/SNMP3/RS232, type):  Communications – Special (CIP/VMware ESX/ESXi/other):  Communications – Discrete (relay/opto, description):  N/A  Communications – Discrete (relay/opto, description):  Breaker & Switch Input (rating, type, location):  Breaker & Switch AC Output (rating, type, location):  Breaker & Switch DC Output (rating, type, location):  N/A  Neutral Bonded to Ground (bonded/un-bonded/switch):  Bonded				
Overload – Shutdown or Bypass (shutdown/bypass, %):  Conformal Coated PCBAs (yes/no):  Communications (SNMP2/SNMP3/RS232, type):  Communications – Special (CIP/VMware ESX/ESXi/other):  Communications – Discrete (relay/opto, description):  Breaker & Switch Input (rating, type, location):  Breaker & Switch AC Output (rating, type, location):  Breaker & Switch DC Output (rating, type, location):  N/A  Neutral Bonded to Ground (bonded/un-bonded/switch):  Shutdown at 5% Overload  Yes  Shutdown at 5% Overload  Yes  RS232 DE-9 D-sub port, Opto-isolated Rear Panel  N/A  Special (CIP/VMware ESX/ESXi/other):  N/A  Special (CIP/VMware ESX/ESXi/other):  N/A  Breaker & Switch Input (rating, type, location):  N/A  Neutral Bonded to Ground (bonded/un-bonded/switch):  Bonded				
Conformal Coated PCBAs (yes/no):  Communications (SNMP2/SNMP3/RS232, type):  Communications – Special (CIP/VMware ESX/ESXi/other):  Communications – Discrete (relay/opto, description):  Breaker & Switch Input (rating, type, location):  Breaker & Switch AC Output (rating, type, location):  Breaker & Switch DC Output (rating, type, location):  N/A  Neutral Bonded to Ground (bonded/un-bonded/switch):  Yes  RS232 DE-9 D-sub port, Opto-isolated Rear Panel  N/A  Security Possible P				
Communications (SNMP2/SNMP3/RS232, type):  RS232 DE-9 D-sub port, Opto-isolated Rear Panel  N/A  Communications – Special (CIP/VMware ESX/ESXi/other):  N/A  Breaker & Switch Input (rating, type, location):  Breaker & Switch AC Output (rating, type, location):  Breaker & Switch DC Output (rating, type, location):  N/A  Neutral Bonded to Ground (bonded/un-bonded/switch):  RS232 DE-9 D-sub port, Opto-isolated Rear Panel  N/A  N/A  Second Proggle Switch Front panel  3 each 1P15A Push to Reset, Rear Panel  N/A  Bonded				
Communications – Special (CIP/VMware ESX/ESXi/other):  N/A  Communications – Discrete (relay/opto, description):  N/A  Breaker & Switch Input (rating, type, location):  2 pole 25AMP Toggle Switch front panel  3 each 1P15A Push to Reset, Rear Panel  N/A  Breaker & Switch DC Output (rating, type, location):  N/A  Neutral Bonded to Ground (bonded/un-bonded/switch):  Bonded				
Communications – Discrete (relay/opto, description):  Breaker & Switch Input (rating, type, location):  Breaker & Switch AC Output (rating, type, location):  Breaker & Switch DC Output (rating, type, location):  N/A  Breaker & Switch DC Output (rating, type, location):  N/A  Neutral Bonded to Ground (bonded/un-bonded/switch):  Bonded				
Breaker & Switch Input (rating, type, location):  Breaker & Switch AC Output (rating, type, location):  Breaker & Switch DC Output (rating, type, location):  N/A  Neutral Bonded to Ground (bonded/un-bonded/switch):  Breaker & Switch DC Output (rating, type, location):  N/A  Bonded				
Breaker & Switch AC Output (rating, type, location):  Breaker & Switch DC Output (rating, type, location):  N/A  Neutral Bonded to Ground (bonded/un-bonded/switch):  Bonded			· ·	
Breaker & Switch DC Output (rating, type, location):  N/A  Neutral Bonded to Ground (bonded/un-bonded/switch):  Bonded				
Neutral Bonded to Ground (bonded/un-bonded/switch):  Bonded				
Bonded			N/A	
Weight: 120lbs	Neutral Bonded to	Ground (bonded/un-bonded/switch):	Bonded	
	Weight:		120lbs	

ISO 9001:2015 Certified Facility

Military Standards

