

Uninterruptible Power System (UPS)

FA00002

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 #: | FA00002 | 102121 |
| Model #: | IHT2KGACDC-21824 | |
| Unit Description: | 2000VA, 1800W 120/240VAC & 28DC Input & 120VAC,60Hz Output, Double Conversion, Rugged, High Temperature, Isolated, Online UPS System with Hot Swap Battery, Frequency Conversion, Power Factor Conversion and SNMP Communications. | |

| INPUT RATINGS | |
|--|-------------------------------|
| Input AC Voltage (AC Voltage, tolerance): | 120VAC or 240VAC Nominal |
| Input DC Voltage (DC Voltage, tolerance): | 22VDC to 32VDC |
| Input Frequency (Hz, tolerance): | 50 or 60 Hz |
| Input Max Current with Inverter Output (Amps): | 25.8A |
| PFC Feature: | Input power factor correction |
| Breaker & Switch Input (type, location): | 2P30A CB & Switch Rear Panel |
| OUTPUT RATINGS | |
| Power Rating (VA, Watts): | 2000VA, 1800W |
| Output AC Voltage (AC Voltage, tolerance): | 120VAC or 240VAC Nominal |
| Output DC Voltage (DC Voltage, tolerance): | N/A |
| Output Frequency (Hz, follower/changer): | 60Hz Freq. Changer |

(continued)

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|--|--|
| Isolation (galvanic isolation/non-isolated): | Galvanic Isolation |
| Neutral Bonded to Ground (bonded/un-bonded/switch): | Un-Bonded |
| Breaker & Switch AC Output (type, location): | 1P25A Press to Reset |
| Overload – Shutdown or Bypass (shutdown/bypass, %): | Bypass @ 110% |
| MECHANICAL | |
| Enclosure Type & Size (type/rack unit, dimensions): | 3U Rack Mountable, 5¼"H x 19" W x 24" 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. 120 lbs. |
| Fan Filters (EMI/dust/comboination/grill): | Grill |
| Conformal Coated PCBAs (yes/no): | Yes |
| INTERFACE COMMUNICATIONS | |
| Communications (SNMP2/SNMP3/RS232, type): | SNMP, Ethernet Jack, Rear Panel |
| Communications – Special (CIP/VMware ESX/ESXi/other): | N/A |
| ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE | |
| Auto Start (manual start/auto start): | Auto start |
| Cold Start Switch (yes/no): | Yes |
| CONNECTORS | |
| Connector(s) AC Input (type, location): | L6-20 NEMA, twist lock on 12" long 12ga- 3-wire power cord |
| Connector(s) DC Input (type, location): | Tesla #TI 2005-379 |
| Connector(s) AC Output (type, location): | (4) each 5-20R NEMA |
| 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): | 12V 8.5Ah |
| Battery Total Quantity: | 5 |
| Battery String Voltage: | 60Vdc Nominal |
| Battery String (number of strings, quantity per string) | 1 String of 5 |
| Battery Minimum Run Time (approx. run time at #watts): | 5 Min. @ 1600W / 10Min @ 1000W |
| Battery Mounting (hot swap/fixe): | Hot Swap |
| EMI and ENVIRONMENTAL | |
| Application (shipboard/airborne/ground/all): | All |
| Operating Temperature: | 0°C to +50°C |
| Humidity: | 0-95%, non-condensing |

Specifications subject to change without notice.