

## UNINTERRUPTIBLE POWER SYSTEM (UPS)

Bright UPS 2000VA, 1800W 120/240VAC & 28DC Input & 120VAC,60Hz Output, Double Conversion, Rugged High Temperature, Isolated, On Line UPS System with Hot Swap Battery, Frequency Conversion, Power Factor Conversion and SNMP Communications.



Part # FA00002

Model # IHT2KGACDC-21824

## 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](http://www.intellipower.com/capabilities).

## CORPORATE HEADQUARTERS

1746 N. Saint Thomas Circle • Orange, CA 92865 USA  
Tel: 714.921.1580 • Fax: 714.921.4023  
Email: [sales@intellipower.com](mailto:sales@intellipower.com) • [www.intellipower.com](http://www.intellipower.com)

All products designed and manufactured in the U.S.A.



<b>Uninterruptible Power System (UPS)</b>	
<b>IP Part #:</b>	FA00002
<b>IP Model #:</b>	IHT2KGACDC-21824
<b>Unit Description:</b>	Bright UPS 2000VA, 1800W 120/240VAC & 28DC Input & 120VAC,60Hz Output Double Conversion Rugged High Temperature Isolated On Line UPS System with Hot Swap Battery, Frequency Conversion, Power Factor Conversion and SNMP Communications.
<b>SPECIFICATIONS</b>	
<b>Power Rating (VA, Watts):</b>	2000VA, 1800W
<b>Input AC Voltage (AC Voltage, tolerance):</b>	120VAC or 240VAC Nominal (-25% to +15%, without needing battery)
<b>Input DC Voltage (DC Voltage, tolerance):</b>	22VDC to 32VDC
<b>Input Frequency (Hz, tolerance):</b>	50/60Hz
<b>Input Max Current (Amps):</b>	25.8A
<b>Output AC Voltage (AC Voltage, tolerance):</b>	120Vac +/-3%
<b>Output DC Voltage (DC Voltage, tolerance):</b>	N/A
<b>Output Frequency (Hz, follower/changer):</b>	60Hz Freq. Changer
<b>Output Sync Requirements:</b>	N/A
<b>Enclosure Type &amp; Size (type/rack unit, dimensions):</b>	3U, 5¼"H x 19"W x 24"D
<b>Enclosure Material &amp; Finish (aluminum/steel, finish):</b>	Steel
<b>Enclosure Airflow (front to rear/front to side/other):</b>	Front to Rear
<b>Enclosure – Special (IP65/Zone 1):</b>	Standard
<b>Connector(s) AC Input (type, location, pin outs):</b>	L6-20 NEMA, twist lock on 12" long 12ga- 3-wire power cord
<b>Connector(s) DC Input (type, location, pin outs):</b>	DC Input – Tesla #TI 2005-379
<b>Connector(s) AC Output (type, location, pin outs):</b>	(4) each 5-20R NEMA
<b>Connector(s) DC Output (type, location, pin outs):</b>	N/A
<b>Connector(s) EBP/Charger (type, location, pin outs):</b>	N/A
<b>Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):</b>	12V 8.5Ah
<b>Battery Total Quantity:</b>	5
<b>Battery String Voltage:</b>	60Vdc Nominal
<b>Battery String (number of strings, quantity per string)</b>	1 String of 5
<b>Battery Minimum Run Time (approx. run time at #watts):</b>	5 Min. @ 1600W / 10Min @ 1000W
<b>Battery Run Current: (Start/End of Battery)</b>	42A (EDB)
<b>Battery Mounting (hot swap/fixed):</b>	Hot Swap
<b>Temperature (operating, storage):</b>	0+50°C Operating
<b>Humidity:</b>	0 to 95%, no-condensing
<b>PFC Feature:</b>	Input Power Factor Correction on AC
<b>Isolation (galvanic isolation/non-isolated):</b>	Input Galvanic Isolation Transformer
<b>Application (shipboard/airborne/ground/all):</b>	Ground
<b>Fan Filters (EMI/dust/comboination/grill):</b>	Grill
<b>Auto Start (manual start/auto start):</b>	Auto
<b>Cold Start Switch (yes/no):</b>	Yes
<b>Overload – Shutdown or Bypass (shutdown/bypass, %):</b>	Bypass @ 110%
<b>Conformal Coated PCBAs (yes/no):</b>	Yes
<b>Communications (SNMP2/SNMP3/RS232, type):</b>	SNMP 2.43
<b>Communications – Special (CIP/VMware ESX/ESXi/other):</b>	N/A
<b>Communications – Discrete (relay/opto, description):</b>	N/A
<b>Breaker &amp; Switch Input (rating, type, location):</b>	2P30A CB & Switch Rear Panel
<b>Breaker &amp; Switch AC Output (rating, type, location):</b>	1P25A Press to Reset
<b>Breaker &amp; Switch DC Output (rating, type, location):</b>	N/A
<b>Neutral Bonded to Ground (bonded/un-bonded/switch):</b>	Un-Bonded
<b>Note: If Non-Isolated Enter Un-Bonded</b>	

ISO 9001: 2008 Certified Facility

Military Standards



**CORPORATE HEADQUARTERS**

1746 N. Saint Thomas Circle • Orange, CA 92865 USA  
 Tel: 714.921.1580 • Fax: 714.921.4023  
 Email: sales@intellipower.com • www.intellipower.com

All products designed and manufactured in the U.S.A.

