

Uninterruptible Power System (UPS)

FA00002



Via Acquanera, 29 tel. 031.526.566 (r.a.) info@calpower.it

22100 COMO fax 031.507.984 www.calpower.it

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)









Neutral Bonded to Ground (bonded/un-bonded/switch): Un-Bonded Breaker & Switch AC Output (type, location): 1P25A Press to Reset Verticad – Shutdown or Bypass (shutdown/bypass, %): 8ypass @ 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): 5teel Enclosure Aifflow (front to rear/front to side/other): Front to rear Enclosure – Special (iP65/Zone 1): N/A Weight: Approx. 120 lbs. En Filters (EMI/dust/combination/grill): Grill Conformal Coated PCBAs (yes/no): Yes INTERFACE COMMUNICATIONS Communications (SNNPP/SNNPS/RS232, lype): NAA ADDITIONAL ELECTRICAL EATURES AND CONTROIS/INTERFACE Auto Start (manual start/auto start): Auto start Consector(s) AC Input (type, location): 1esda #1 2005-379 Connector(s) AC Input (type, location): 1esda #1 2005-379 Connector(s) AC Unput (type, location): N/A Connector(s) EBP/Charger (type, location): N/A Batters Start (manual start/out os tart): 1esda #1 2005-379 Connector(s) EBP/Charger (type, location): N/A Connector(s) EBP/Charger (type, location): N/A Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): 12V 8.5Ah Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): 1String of 5 Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): 1String of 5 Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): 1String of 5 Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): 1String of 5 Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): 1String of 5 Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): 1String of 5 Battery Minimum Run Time (approx. run time at #watts): 5 Min. @ 1600W / 10Min @ 1000W Battery Minimum Run Time (approx. run time at #watts): 5 Min. @ 1600W / 10Min @ 1000W Battery Minimum Run Time (approx. run time at #watts): 5 Min. @ 1600W / 10Min @ 1000W Battery Minimum Run Time (approx. run time at #watts): 5 Minimum Run Time (approx. run time at #watts): 6 Minimum Run Time (approx. run time at #watts): 7 Minimum Run Tim	Isolation (galvanic isolation/non-isolated):	Galvanic Isolation	
Overload – Shutdown or Bypass (shutdown/bypass,%): MECHANICAL Enclosure Type & Size (type/rack unit, dimensions): Enclosure Material & Finish (aluminum/steel, finish): Steel 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. Front Blers (EMI/dust/combination/grill): Grill Conformal Coated PCBAs (yes/no): Yes INTERFACE COMMUNICATIONS Communications (SNMP2/SNNP3/RS232, type): Communications - Special (ICIP/VMware ESX/ESXI/other): ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE Auto Start (manual start/auto start): Cold Start (manual start/auto start): Connector(s) AC (nput (type, location): Connector(s) AC (nput (type, location): Connector(s) AC Output (type, location): Connector(s) EDP/Charger (type, location): M/A BATTERIES Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): Battery String (valuage: Battery String (valuage: 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 swapt/fixed): Hot Swap MINA Apilication (Shipboord/ciriorne/ground/all): All Operaling Temperature: On'C to +50'C	Neutral Bonded to Ground (bonded/un-bonded/switch):	Un-Bonded	
### RECHANICAL Enclosure 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): **Profit to rear** **Profit t	Breaker & Switch AC Output (type, location):	1P25A Press to Reset	
Enclosure Type & Size (type/rack unit, dimensions): Enclosure Material & Finish (aluminum/steel, finish): Enclosure Material & Finish (aluminum/steel, finish): Enclosure Airflow (front to rear/front to side/other): Enclosure – Special (IP65/Zone 1): N/A Approx. 120 lbs. Fan Filters (EMI/dust/combination/grill): Grill Conformal Coated PCBAs (yes/no): INTERFACE COMMUNICATIONS Communications - Special (ICIP/VMware ESX/ESXi/other): Auto start (manual start/auto start): Cold Start Switch (yes/no): CONSTANT (yes/no): CONSTANT (yes/no): CONNECTORS Connector(s) AC Output (type, location): Connector(s) BC Output (type, location): Connector(s) BC Output (type, location): Connector(s) EDC Output (type, location): Differsible 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): Battery Mounting (hot swap/fixed): Battery Application (shipboard/oirborne/ground/all): All Operating Temperature: O'C to +50'C	Overload – Shutdown or Bypass (shutdown/bypass, %):	Bypass @ 110%	
Enclosure Material & Finish (aluminum/steel, finish): Enclosure Airflow (front to rear/front to side/other): Enclosure - Special (IP65/Zone 1): N/A Weight: Approx. 120 lbs. Fan Filters (EMI/dust/combination/grill): Conformal Coated PCBAs (yes/no): Ves INTERFACE COMMUNICATIONS Communications (SNAP2/SNMP3/RS232, type): SNMP, Ethernet Jack, Rear Panel Communications - Special (CIP/VMware ESX/ESXi/other): AbDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE Auto Start (manual start/auto start): Auto start (manual start/auto start): Colos Start Switch (yes/no): Ves CONNECTORS Connector(s) AC Input (type, location): Connector(s) AC Output (type, location): Connector(s) AC Output (type, location): Connector(s) DC Output (type, location): N/A Connector(s) EBP/Charger (type, location): N/A BATTERIES Battery Type (rating, PbAcial/Pure PbAcial/Lithium Iron): Battery Type (rating, PbAcial/Pure PbAcial/Lithium Iron): Battery String Voltage: Battery String (number of strings, quantity per string) Battery String (number of strings, quantity per string) Battery Winimum Run Time (approx. run time at #watts): Battery String (number of strings, quantity per string) Battery Mounting (hot swap/fixed): Battery Type (rating (hot swap/fixed): Battery Mounting (hot swap/fixed): B	MECHANICAL		
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Enclosure – Special (IP65/Zone 1): N/A Weight: Approx. 120 lbs. Fan Filters (EMI/dust/combination/grill): Grill Conformal Coated PCBAs (yes/no): Yes INTERFACE COMMUNICATIONS Communications (SNMPZ/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/outo start): Auto start Cold Start Switch (yes/no): Yes CONNECTORS Connector(s) AC Input (type, location): L6-20 NEMA, twist lock on 12" long12ga-3-wire power cord Connector(s) AC Output (type, location): Iesla #TI 2005-379 Connector(s) AC Output (type, location): N/A Connector(s) EBP/Charger (type, location): N/A Connector(s) EBP/Charger (type, location): N/A Enter(S) EBP/Charger (type, location): 12V 8.5Ah Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): 12V 8.5Ah Battery String Voltage: 60Vdc Nominal Battery String (number of strings, quantity per string) 1 String of 5 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/fixed): Hot Swap EMI and EMVIRONMENTAL Application (shipboard/airborne/ground/all): All Operating Temperature: 0°C to +50°C	Enclosure Material & Finish (aluminum/steel, finish):	Steel	
Weight: Approx. 120 lbs. Fan Filters (EMI/dust/combination/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" long12ga- 3-wire power cord Connector(s) DC Input (type, location): (4) each 5-20R NEMA Connector(s) DC Output (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 Voltage: 60Vdc Nominal Battery Minimum Run Time (approx. run time at #watts): 5 Min. @ 1600W / 10Min @ 1000W Battery Mounting (hot swap/fixed): Hot Swap EMI and ENVIRONMENTAL Application (shipboard/airborne/ground/all): All Operating Temperature: 0°C to +50°C	Enclosure Airflow (front to rear/front to side/other):	Front to rear	
Fan Filters (EMI/dust/combination/grill): Conformal Coated PCBAs (yes/no): Ves INTERFACE COMMUNICATIONS Communications (SIMMP2/SNMP3/RS232, type): SNMP, Ethernet Jack, Rear Panel Communications - Special (CIP/VMware ESX/ESXi/other): ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE Auto Start (manual start/auto start): Cold Start Switch (yes/no): Ves CONNECTORS Connector(s) AC Input (type, location): Connector(s) DC Input (type, location): Connector(s) DC Output (type, location): ACONNECTORS Connector(s) DC Output (type, location): AVIA MARTIERIES 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 Mounting (hot swap/fixed): Battery Mounting (hot swap/fixed): Battery Mounting (hot swap/fixed): BATIER INDITIONAL ELECTRICAL FEATURES AND CONTROLS (Inditional Employment of Strings) Battery Mounting (hot swap/fixed): BATTER SWAP (Index Swap/Swap (Index Swap	Enclosure – Special (IP65/Zone 1):	N/A	
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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" long12ga- 3-wire power cord Connector(s) DC Input (type, location): L91 (4) each 5-20 NEMA Connector(s) AC Output (type, location): N/A Connector(s) DC Output (type, location): N/A Connector(s) EBP/Charger (type, location): N/A BatterN Type (rating, PbAcid/Pure PbAcid/Lithium Iron): 12V 8.5Ah Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): 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/fixed): Hot Swap EMI and ENVIRONMENTAL Application (shipboard/airborne/ground/all): All Operating Temperature: 0°C to +50°C	Conformal Coated PCBAs (yes/no):	Yes	
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" long12ga- 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 Type (rating, PbAcid/Pure PbAcid/Lithium Iron): 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/fixed): Hot Swap EMI and ENVIRONMENTAL Application (shipboard/airborne/ground/all): All Operating Temperature: 0°C to +50°C	INTERFACE COMMUNICATIONS		
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Auto Start (manual start/auto start): Cold Start Switch (yes/no): Yes CONNECTORS Connector(s) AC Input (type, location): Connector(s) DC Input (type, location): Connector(s) AC Output (type, location): Connector(s) AC Output (type, location): Connector(s) AC Output (type, location): Connector(s) DC Output (type, location): N/A Connector(s) EBP/Charger (type, location): N/A ATTERIES 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 Mounting (hot swap/fixed): Battery Mounting (hot swap/fixed): EMI and ENVIRONMENTAL Application (shipboard/airborne/ground/all): All Operating Temperature: Auto start Yes Auto start Auto start Yes Auto start Yes Auto start Auto start Yes Auto start	Communications – Special (CIP/VMware ESX/ESXi/other):	N/A	
Cold Start Switch (yes/no): CONNECTORS Connector(s) AC Input (type, location): Connector(s) DC Input (type, location): Connector(s) AC Output (type, location): Connector(s) AC Output (type, location): Connector(s) DC Output (type, location): Connector(s) DC Output (type, location): N/A Connector(s) EBP/Charger (type, location): N/A ATTERIES Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): Battery String Voltage: Battery String (number of strings, quantity per string) Battery Minimum Run Time (approx. run time at #watts): Battery Mounting (hot swap/fixed): Hot Swap EMI and ENVIRONMENTAL Application (shipboard/airborne/ground/all): All Operating Temperature: O*C to +50*C	ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE		
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Connector(s) AC Input (type, location): 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): Battery Total Quantity: 5 Battery String Voltage: Bottlery String (number of strings, quantity per string) Battery Minimum Run Time (approx. run time at #watts): Battery Mounting (hot swap/fixed): EMI and ENVIRONMENTAL Application (shipboard/airborne/ground/all): All Operating Temperature: O*C to +50*C	Cold Start Switch (yes/no):	Yes	
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Connector(s) AC Output (type, location): 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): Battery Total Quantity: 5 Battery String Voltage: 60Vdc Nominal Battery String (number of strings, quantity per string) Battery Minimum Run Time (approx. run time at #watts): 5 Min. @ 1600W / 10Min @ 1000W Battery Mounting (hot swap/fixed): Hot Swap EMI and ENVIRONMENTAL Application (shipboard/airborne/ground/all): All Operating Temperature: 0°C to +50°C	Connector(s) AC Input (type, location):	L6-20 NEMA, twist lock on 12" long12ga- 3-wire power cord	
Connector(s) DC Output (type, location): 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/fixed): Hot Swap EMI and ENVIRONMENTAL Application (shipboard/airborne/ground/all): All Operating Temperature: 0°C to +50°C	Connector(s) DC Input (type, location):	Tesla #TI 2005-379	
Connector(s) EBP/Charger (type, location): 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/fixed): Hot Swap EMI and ENVIRONMENTAL Application (shipboard/airborne/ground/all): All Operating Temperature: 0°C to +50°C	Connector(s) AC Output (type, location):	(4) each 5-20R NEMA	
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/fixed): Hot Swap EMI and ENVIRONMENTAL Application (shipboard/airborne/ground/all): All Operating Temperature: 0°C to +50°C	Connector(s) DC Output (type, location):	N/A	
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): 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/fixed): Hot Swap EMI and ENVIRONMENTAL Application (shipboard/airborne/ground/all): All Operating Temperature: 0°C to +50°C	Connector(s) EBP/Charger (type, location):	N/A	
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Battery String (number of strings, quantity per string) Battery Minimum Run Time (approx. run time at #watts): 5 Min. @ 1600W / 10Min @ 1000W Battery Mounting (hot swap/fixed): Hot Swap EMI and ENVIRONMENTAL Application (shipboard/airborne/ground/all): All Operating Temperature: 0°C to +50°C	Battery Total Quantity:	5	
Battery Minimum Run Time (approx. run time at #watts): 5 Min. @ 1600W / 10Min @ 1000W Battery Mounting (hot swap/fixed): Hot Swap EMI and ENVIRONMENTAL Application (shipboard/airborne/ground/all): All Operating Temperature: 0°C to +50°C	Battery String Voltage:	60Vdc Nominal	
Battery Mounting (hot swap/fixed): Hot Swap EMI and ENVIRONMENTAL Application (shipboard/airborne/ground/all): All Operating Temperature: 0°C to +50°C	Battery String (number of strings, quantity per string)	1 String of 5	
EMI and ENVIRONMENTAL Application (shipboard/airborne/ground/all): Operating Temperature: O°C to +50°C	Battery Minimum Run Time (approx. run time at #watts):	5 Min. @ 1600W / 10Min @ 1000W	
Application (shipboard/airborne/ground/all): Operating Temperature: O°C to +50°C	Battery Mounting (hot swap/fixed):	Hot Swap	
Operating Temperature: 0°C to +50°C	EMI and ENVIRONMENTAL		
	Application (shipboard/airborne/ground/all):	All	
Humidity: 0-95%, non-condensing	Operating Temperature:	0°C to +50°C	
	Humidity:	0-95%, non-condensing	

Specifications subject to change without notice.



Via Acquanera, 29 tel. 031.526.566 (r.a.) info@calpower.it 22100 COM0 fax 031.507.984 www.calpower.it