

TELECOM

19 INCH RACK-MOUNT

INVERTERS

The pure sine wave HHEX-1000 Series inverters is the new expand customize inverter. This Series is a professional 19" rack enclosure with a wide range of options to suit applications.

2RU RACK MOUNT
INVERTER
INPUT 48VDC
POWER 1600W/2KVA
OUTPUT 220VAC



Description

This new generation rack mounted inverter with dual input inverter is designed for high reliability communications applications. The inverter is equipped with 220V AC output power supply and 48V DC power input, which fills the gap between a traditional UPS and a common pure sine wave inverter solution.

It uses a novel design structure that helps users to provide Pure, stable and durable AC power for critical loads, and has the same high reliability as the AC power supply system. The design characteristics of the dedicated communication pure sine wave inverter ensure the seamless conversion between the AC and DC power supply, almost no conversion delay, and build in the static switch.

Feature

- ✓ Standard 19" Rack mount 2 RU Chassis;
- ✓ True sine wave output (T.H.D < 3%)
- ✓ Large 128*64 digital Lcd display data information, 4 led display working;
- ✓ 5 Routes Dry contact for system (DC input fault, AC input fault, overload information, by-pass information and output fault)
- ✓ RS232 and RS485 & Optional SNMP communication Port
- ✓ Power-on self-test, Soft output start, Start auto restart while Ac or Dc is recovering;
- ✓ Auto switch function: DC to AC, AC bypass, less than 5ms;
- ✓ Real-time monitoring of the system operating status, Audible and visual alarm;
- ✓ Record the historical alarm message and can be queried;
- ✓ Build in voltage regulator Stabilize AC voltage;
- ✓ Maintenance bypass /DC available;
- ✓ Protection :Short load protection, overload protection, battery over/under voltage protection, over current, over temperature;

Technical Data

Model **BW48/220-2KVA**

INPUT

AC Input Voltage	176-264AC
Battery Input Voltage	48Vdc
Battery Voltage Range	43-56Vdc
Cooling	Fans (Temp.Control Speed According to the output Capacity)
AC Input Current	≤11.36 (Max)
Output Frequency	50Hz± 1%
PF	≥0.99

OUTPUT

Output Capacity	2000VA
Rated Output Capacity	1600W
Rated output Voltage	220VAC (Inverter Mode)
Output Voltage Range	220Vac(Tolerance ±1.5% @Inverter Mode)
Output Efficiency	≥85% (Inverter Mode)
Output Frequency	50Hz
Frequency Range	43~57Hz
Output Wave	Pure sine wave
THD	≤3% (Line Load)
Switch Time (By pass to Inverter mode)	≤8mS (With Load)

PROTECTIVE FEATURE

AC Under Voltage Switch Protection	≤176Vac (Backlash voltage≥10Vac)
AC over Voltage Switch protection	≥264AC
Over-Temperature	Yes (Auto Switch)
Battery under voltage protection point	≤40DC
Battery Low-voltage alarm	43±0.5
Battery overvoltage protection point	≥60VDC
Battery overvoltage recovery point	≥55VDC

Output Over Current Protection

Over Load Capacity 100%<load≤120%	Continue working 60s
Over Load Capacity 121%<Load≤150%	Continue working 10s
Over Temp. Protection	Yes
short circuit Protection	Yes (Don't test under AC Connect)
Reverse connection protection	Yes
Output OVP	≥264VAC(Inverter Mode)
Output low voltage alarm	≤176VAC (Inveter Mode)

SAFETY AND EMC

Dielectric strength (AC-GND)	3500Vdc/10mA/1min . No flash over, no breakdown
Earth test	40A/2min
Radiation emission	EN55022(CLASS A)

Conducted Emission	EN55022(CLASS A)
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ENVIRONMENT TEST PERFORMANCE

High temperature operation	50±2°C (rated load 24H)
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Low temperature operation	-33±2°C (rated load 24H)
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High temperature storage	80±2 °C, 24H
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Low temperature storage	-40±2°C, 24H
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COMMUNICATION

Rs232 & Rs485	Yes
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SNMP	Optional
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Dry Contact	5 group
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MEASUREMENT

Size W*D*H(mm)	482*347*88
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Weight	11.5KG
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