

HR11 Series Rack Online UPS 1-10kVA (220V/230V/240V)

HR11 series, ranging from 1KVA to 10KVA, is double conversion online rack UPS with fully DSP controlled technology. The single phase of 6-10KVA UPS applies the advanced 3-level technology, achieving a efficiency up to 95%. With its compact design of high power density (kW=kVA) in 2U height, HR11 series make it ideal choice for computers, telecommunication equipment and other sensitive devices.



Application

IDC(Internet Dater Center),network,servers and workstations, control system, communication system, office, PC etc

Features

Common features for 1-10KVA

- Wide range of input voltage while input PF>99%
- 19" standard cabinet and battery cabinet
- Full protection of overvoltage, circuit short and over temperature
- LCD/LED display, monitoring all the operation status
- Automatic fan speed adjustment
- Abundant interface: RS232,USB, SNMP, Intelligent Card

Unique features for 6-10KVA

- High efficiency, up to 95%
- kVA=kW, output PF=1
- Intelligent charging management, effectively improving the life time of battery
- 3 level of technology, compatible with complicated load
- Self-aging function

Specification

MODEL	HR1101S	HR1102S	HR1103S	HR1106XS	HR1110XS
	HR1101L	HR1102L	HR1103L	HR1106XL	HR1110XL
Capacity	1kVA	2kVA	3kVA	6kVA	10kVA
Input voltage range	110VAC-288VAC				
	100% load@>176VAC; 80% load@>154VAC 70% load@>132VAC; 50% load@>110VAC			100% load@ > 176VAC; 90% load@ > 160VAC 80% load@ > 140VAC; 60% load@ > 110VAC	
Input frequency	40-70Hz				
Input PF	≥0.97			≥0.99	
Voltage regulation	± 1 %				
Output frequency	50/60Hz				
Output PF	0.9			1.0	
Overload capability (Inverter mode)	105%-130%: to bypass 1 min; 150%: to bypass after 30 sec			110%:for 10 min ;125%:for 1min ; 150%:for 30 sec	
Overload capability (Battery mode)	105%-130%: shutdown after 10 sec; 150%: shutdown after 5 sec			110%: shut down after 1 min; 130%:shut down after 10 sec; >130%: shut down after 200 ms	
Crest factor	3:1				
Efficiency	87%	91%	90%	95%	
Display	LED+LCD				
Battery voltage	36VDC	72VDC	96VDC	192VDC	
Battery type/number	12V,7Ah*3	12V,7Ah*6	12V,7Ah*8	12V,7Ah*16	12V,9Ah*16
	External				
Interface	RS232,SNMP				
Optional	USB, SNMP, Dry contacts			USB, SNMP, ECO kit, Dry contacts, Battery cabinet	
Operation temperature	0-40℃				
W*D*H(mm)	440*430*86	440*480*173	440*480*173	438*660*172	
	440*430*86	440*480*86	440*480*86	438*550*86	
Weight(kg)	11.5	25	31	59	67
	7	8	9.5	17.5	20.5

RoHS Declaration of Conformity

Purport: To conform to European Union instruction 2011/65/EU

INVT UPS(uninterruptible power supply) products and relative solution conform to European Union instruction 2011/65/EU(RoHS2.0), and INVT set up a whole internal management regulation- 《INVT Hazardous Substance Control Standard》 according to this instruction's requirement, and INVT pushes all of its suppliers to comply with it.

As a part of our continuous honor commitments, we have set up a whole set of RoHS control process, and provide products which comply with instruction 2011/65/EU to our customers.

INVT Quality Control Center



APPLICATION FOR LOW VOLTAGE DIRECTIVE

On Behalf of

INVT POWER SYSTEM (SHENZHEN) CO., LTD

Uninterruptible Power Systems

Model(s): HR1100.8L, HR1100.8S, HR1101L, HR1101S

Prepared For : INVT POWER SYSTEM (SHENZHEN) CO., LTD
5# Building, Gaofa Industrial Park, Longjing, Nanshan District, Shenzhen 518055, China

Prepared By : EMTEK (Shenzhen) CO., LTD.
Bldg 69, Majialong Industry Zone, Nanshan District,
Shenzhen, Guangdong, China
Tel: +86-755-26954280
Fax: +86-755-26954282

TEST REPORT	
IEC 62040-1	
Uninterruptible power systems (UPS) –	
Part 1: General and safety requirements for UPS	
Report Reference No.....	ES160629002S
Compiled by (name + signature).....	Gary Zhang
Approved by (name + signature).....	William Guo
Date of issue	July 04, 2016
Total number of pages	56 pages
Testing Laboratory	EMTEK (Shenzhen) CO., LTD.
Address	Bldg 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China
Testing location / address	Same as above
Applicant's name.....	INVT POWER SYSTEM (SHENZHEN) CO., LTD
Address	5th Floor, 1#Building, Gaofa Industrial Park, LongJing, Nanshan District, Shenzhen, China, 518055
Test specification:	
Standard	IEC 62040-1:2008 (First Edition) + Am 1:2013
Test procedure	Compliance with IEC 62040-1:2008 (First Edition) + Am 1:2013
Non-standard test method.....	N/A
Test Report Form No.....	IEC62040_1A
Test Report Form(s) Originator	TÜV Rheinland Japan Ltd.
Master TRF	Dated 2014-01
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Test item description	Uninterruptible Power Systems
Trade Mark	INVT
Manufacturer	INVT Power System (Shenzhen) Co., LTD
Address	5th Floor, 1#Building, Gaofa Industrial Park, LongJing, Nanshan District, Shenzhen, China, 518055
Model/Type reference	HR1100.8L, HR1100.8S, HR1101L, HR1101S
Ratings	See the rating labels.

EMC TEST REPORT
For

INVT POWER SYSTEM (SHENZHEN) CO., LTD.

Uninterruptible Power System

Model Number: HR1100.8L, HR1100.8S, HR1101L, HR1101S

Prepared for : INVT POWER SYSTEM (SHENZHEN) CO., LTD.
Address : 5th Floor, 1# Building, Gaofa Industrial Park, Longjing,
Nanshan District, Shenzhen, China, 518055

Prepared by : EMTEK(SHENZHEN) CO., LTD.
Address : Bldg 69, Majialong Industry Zone,
Nanshan District, Shenzhen, Guangdong, China

Tel: (0755) 26954280
Fax: (0755) 26954282

Report Number : ES160629002E
Date of Test : January 08, 2014 to January 15, 2014
Date of Report : June 29, 2016

TEST REPORT DESCRIPTION

Applicant : INVT POWER SYSTEM (SHENZHEN) CO., LTD.
Manufacturer : INVT POWER SYSTEM (SHENZHEN) CO., LTD.
Trademark : INVT
EUT : Uninterruptible Power System
Model Number : HR1100.8L, HR1100.8S, HR1101L, HR1101S
Power Supply : Please refer to the page 8

Measurement Procedure Used:

EN 62040-2:2006
EN 61000-3-2:2014
EN 61000-3-3:2013
(IEC 61000-4-2:2008, IEC 61000-4-3:2006+A1:2007+A2:2010, IEC 61000-4-4:2012,
IEC 61000-4-5:2014, IEC 61000-4-6:2013, IEC 61000-4-8:2009, IEC 61000-4-11:2004,
EN 61000-2-2:2002)

The device described above is tested by EMTEK(SHENZHEN) CO., LTD. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and EMTEK(SHENZHEN) CO., LTD. is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the EN 62040-2 requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of EMTEK(SHENZHEN) CO., LTD.

Date of Test : January 08, 2014 to January 15, 2014

Prepared by : Bunny Zhang
Bunny Zhang/Editor

Reviewer : Jessie Hu
Jessie Hu/Supervisor

Approved & Authorized Signer : Lisa Wang
Lisa Wang/Manager



UNIVERSAL CERTIFICATION CENTRE CO., LTD.
QUALITY MANAGEMENT SYSTEM CERTIFICATE

No.: 02420Q31011160R3S

This is to certify that the quality system of

INVT POWER SYSTEM (SHENZHEN) CO., LTD.

(UNIFIED SOCIAL CREDIT CODE: 9144030055868216XL)

(ADD: ROOM 501, BUILDING 1, INVT GUANGMING TECHNOLOGY BUILDING, SHUTIANPU COMMUNITY, MATIAN STREET,
GUANGMING DISTRICT, SHENZHEN, P. R. CHINA ZIP: 518106)

is in conformity with:

is in conformity with:

GB/T19001-2016/ISO9001:2015

This system is valid to:

***DESIGN, DEVELOPMENT, MANUFACTURE(OEM) AND SALES
SERVICE OF UPS, EPS OTHER POWER PRODUCTS, AND RELATED
PRODUCT, TOTAL SOLUTION OF DATA CENTER
INFRASTRUCTURE'S DESIGN, CONSTRUCTION AND SERVICE.
SALES OF BATTERY***

Last certification cycle expiry date: Apr., 23, 2020

Issue date: Jul., 20, 2020

(The surveillance audits shall be performed in a yearly manner during the validation. The continual effectiveness of the certificate shall be marked by the surveillance qualification logo as pasted below.)

Organization stamp:



Initial Certification date: Apr., 15, 2011

Date of recertification audit: Jul., 9-10, 2020

This Certificate is validity until: Apr., 23, 2023

Representative of the centre (Director):

1st surveillance
logo

2nd surveillance
logo

3rd surveillance
logo



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管理体系
**MANAGEMENT SYSTEM
CNAS C024-M**





UNIVERSAL CERTIFICATION CENTRE CO., LTD.
ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

No.: 02420E31010652R3S

This is to certify that the environmental system of

INVT POWER SYSTEM (SHENZHEN) CO., LTD.

(UNIFIED SOCIAL CREDIT CODE: 9144030055868216XL)

(ADD: ROOM 501, BUILDING 1, INVT GUANGMING TECHNOLOGY BUILDING, SHUTIANPU COMMUNITY, MATIAN STREET,
GUANGMING DISTRICT, SHENZHEN, P. R. CHINA ZIP: 518106)

is in conformity with:

GB/T24001-2016/ISO14001:2015

This system is valid to:

***DESIGN, DEVELOPMENT, MANUFACTURE(OEM) AND SALES
SERVICE OF UPS,EPS OTHER POWER PRODUCTS,AND RELATED
PRODUCT, TOTAL SOLUTION OF DATA CENTER
INFRASTRUCTURE'S DESIGN, CONSTRUCTION AND SERVICE.SALES
OF BATTERY,AND RELATED MANAGEMENT ACTIVITIES***

Initial Certification date: May., 17, 2011

Last certification cycle expiry date: Apr., 23, 2020

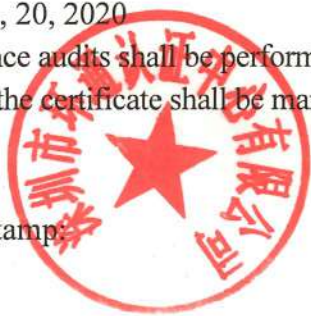
Date of recertification audit: Jul., 9-10, 2020

Issue date: Jul., 20, 2020

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Representative of the centre (Director):

1st surveillance
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CNAS C024-M**

