




LCIE

TEST REPORT N°: ASUE-ESH-P20050512

SUMMARY TEST REPORT

TO:	NingBo Deye Inverter Technology Co., Ltd.	FAX:	--
ATTN:	Alan Wu	E-MAIL:	WUTZ@DEYE.COM.CN
TO:	--	FAX:	--
ATTN:	--	E-MAIL:	--
FROM:	--	E-MAIL:	--
THIS DOCUMENT INCLUDES: 6 PAGES; 8 PICTURES			
NUMBER OF SAMPLES	1		

FACTORY NAME AND LOCATION:	NingBo Deye Inverter Technology Co., Ltd.		
STANDARDS USED (DATE):	IEC 60529:1989 + A1 : 1999 + A2 :2013		
SECTIONS EXAMINED:	IP65		
TESTS REALISED:	There is no water and dust entered into equipment.		
DATE OF CONSTRUCTION CHECK:	2020.05.11		Hybrid Inverter/ Model: SUN-5K-SG03LP1-EU/ SUN-3.6K-SG03LP1-EU
REMARK / NOTE:	Models: The tests had been performed on the SUN-5K-SG03LP1-EU and are valid SUN-3.6K-SG03LP1-EU since it is identical in hardware and just power limited by software		
CONCLUSION:	The samples satisfy the sections examined.		

Test done by, Claude Tao Project Engineer <i>Claude Tao</i>	Approved by, Cayce He Project Manager <i>Cayce He</i>
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This report is for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. Unless specific mention, the uncertainty of measurement has been explicitly taken into account to declare the compliance or non-compliance to the specification.

LCIE CHINA (Ningbo Branch) 必维欧亚电气技术咨询服务(上海)有限公司-宁波分公司	Building B, No.66 Qingyi Road, Yinzhou Zone(315103), Ningbo, Zhejiang, China.	Tel: +86 574 87091078 Email: contact@cn.bureauveritas.com
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TECHNICAL DATA:		Remarks
Type of test sample	Power supply	
Electric light source:	--	
Class:	Class I	
IP:	IP65	
Switch:	--	
Transformer:	--	
Controller:	--	
Type of cord attachment:	--	
Accessories	--	
Supply connection:	--	

TABLE OF RESULTS

SECTIONS	TITLE	REMARK	NOTE	PASS	FAIL	N.A	N.D
5	Degrees of protection against access to hazardous parts and against solid foreign objects indicated by the first characteristic numeral			√			
5.1	Protection against access to hazardous parts			√			
5.2	Protection against solid foreign objects			√			
6	Degrees of protection against ingress of water indicated by the second characteristic numeral			√			
7	Degrees of protection against access to hazardous parts indicated by the additional letter			√			
8	Supplementary letters					√	
9	Examples of designations with the IP code			√			
9.1	IP code not using optional letters	IP65		√			
9.2	IP code using optional letters					√	
10	Marking			√			
11	General requirements for tests			√			

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11.1	Atmospheric conditions for water or dust tests	23.4°C, 56.9%		√			
11.2	Test samples			√			
11.3	Application of test requirements and interpretation of test results			√			
11.4	Combination of test conditions for the first characteristic numeral	6		√			
11.5	Empty enclosures					√	
12	Tests for protection against access to hazardous parts indicated by the first characteristic numeral			√			
12.1	Access probes			√			
12.2	Test conditions			√			
12.3	Acceptance conditions			√			
12.3.1	For low-voltage equipment (rated voltages not exceeding 1000Va.c. and 1500Vd.c.)			√			
12.3.2	For high-voltage equipment (rated voltages exceeding 1000V a.c. and 1500Vd.c.)					√	
12.3.3	For equipment with hazardous mechanical parts					√	
13	Tests for protection against solid foreign objects indicated by the first characteristic numeral			√			
13.1	Test means			√			
13.2	Test conditions for first characteristic numerals 1,2,3,4					√	
13.3	Acceptance conditions for first characteristic numerals 1,2,3,4					√	
13.4	Dust test for first characteristic numerals 5 and 6	6		√			
13.5	Special conditions for first characteristic numeral 5					√	
13.5.1	Test conditions for first characteristic numeral 5					√	
13.5.2	Acceptance conditions for first characteristic numeral 5					√	
13.6	Special conditions for first characteristic numeral 6			√			
13.6.1	Test conditions for first characteristic numeral 6			√			
13.6.2	Acceptance conditions for first characteristic numeral 6			√			

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14	Test for protection against water indicated by the second characteristic numeral	5		✓			
14.1	Test means			✓			
14.2	Test conditions			✓			
14.2.1	Test for second characteristic numeral 1 with the drip box					✓	
14.2.2	Test for second characteristic numeral 2 with the drip box					✓	
14.2.3	Test for second characteristic numeral 3 with oscillation tube or spray nozzle					✓	
14.2.4	Test for second characteristic numeral 4 with oscillation tube or spray nozzle					✓	
14.2.5	Test for second characteristic numeral 5 with the 6.3 mm nozzle			✓			
14.2.6	Test for second characteristic numeral 6 with the 12.5 mm nozzle					✓	
14.2.7	Test for second characteristic numeral 7:temporary immersion between 0.15 m and 1 m					✓	
14.2.8	Test for second characteristic numeral 8:contiuous immersion subject to agreement					✓	
14.2.9	Test for second characteristic numeral 9 by high pressure and temperature water jetting					✓	
14.3	Acceptance conditions	No water and dust entered into equipment		✓			
15	Tests for protection against access to hazardous parts indicated by the additional letter					✓	
15.1	Access probes					✓	
15.2	Test conditions					✓	
15.3	Acceptance conditions					✓	
N.A: Not applicable – N.D: Not demanded							



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Photo before test



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Photo after test: KH6-XXXYYYUS

