



TEST REPORT

IEC 61727 / IEC 62116

Photovoltaic (PV) systems
Characteristics of the utility interface
Test procedure of islanding prevention measures for
utility-interconnected photovoltaic inverters

Report reference number	PVTH170524N014
Date of issue	2017-08-18
Testing laboratory name	Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch
Address	No. 34, Chenwulu Section, Guantai Rd., Houjie Town, Dongguan City, Guangdong 523942, China
	 
Applicant's name	Huawei Technologies Co., Ltd.
Address	Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C
Test specification	
Standard	IEC 61727:2004, IEC 62116:2008, Deviations for Thailand according the grid-connected inverter regulations of the Provincial Electricity Authority (PEA:2016)
Certificate	Certificate of compliance
Test report form number	IEC 61727
Master TRF	Bureau Veritas Consumer Products Services Germany GmbH
Test item description	Grid-tied photovoltaic inverter
Trademark	
Model / Type	SUN2000-20KTL
Ratings	See below
MPP DC voltage range [V]	480-800V
Input DC voltage range [V]	200-950, Max. 1000
Input DC current [A]	Max. 18 x 3
Output AC voltage [V]	380, 3W+N+PE, 50Hz
Output AC current [A]	Max. 33.5 x 3
Output power [VA]	20000

Testing Location	Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch
Address	No. 34, Chenwulu Section, Guantai Rd., Houjie Town, Dongguan City, Guangdong 523942, China
Tested by (name and signature)	James Huang 
Approved by (name and signature)	Ted Wu 
Manufacturer's name	Huawei Technologies Co., Ltd.
Factory address	Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C

Document History			
Date	Internal reference	Modification / Change / Status	Revision
2017-08-18	James Huang	Initial report was written	--
Supplementary information:			

Test items particulars	
Equipment mobility.....	Permanent connection
Operating condition.....	Continuous
Class of equipment	Class I
Protection against ingress of water..	IP65 according to EN 60529
Test case verdicts	
Test case does not apply to the test object.....	N/A
Test item does meet the requirement	P(ass)
Test item does not meet the requirement	F(ail)
Testing	
Date of receipt of test item	2017-05-24
Date(s) of performance of test	2017-05-24 to 2017-08-17
General remarks: The test result presented in this report relate only to the object(s) tested. This report must not be reproduced in part or in full without the written approval of the issuing testing laboratory. "(see Annex #)" refers to additional information appended to the report. "(see appended table)" refers to a table appended to the report. Throughout this report a comma is used as the decimal separator.	
This Test Report consists of the following documents: 1. Test Results 2. Annex No. 1 –Test equipment list	