

<b>TEST REPORT</b> <b>Engineering Recommendation G59</b> <b>RECOMMENDATIONS FOR THE CONNECTION OF GENERATING PLANT TO THE</b> <b>DISTRIBUTION SYSTEMS OF LICENSED DISTRIBUTION NETWORK OPERATORS</b>	
Report Reference No. ....	SH12060654-001
Tested by (name + signature).....	Sleif Sui <i>Sleif Sui</i>
Approved by (name + signature) .....	Robin Xu <i>Robin Xu</i>
Date of issue .....	2012-08-16
Contents .....	25 pages
<b>Testing Laboratory</b> .....	Intertek Testing Services Shanghai.
Address .....	Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China.
Testing location / procedure.....	TL <input checked="" type="checkbox"/> SMT <input type="checkbox"/> TMP <input type="checkbox"/>
Testing location / address .....	Same as above
Applicant's name.....	Shanghai Ghrepower Green Energy Co., Ltd
Address .....	No.1281 Ronghua Road Shanghai 201611 China
<b>Test specification:</b>	
Standard.....	ER G59_2_2010
Test procedure .....	G59_testing
Non-standard test method.....	N/A
<b>Test Report Form/blank test report</b>	
Test Report Form No. ....	TTRF_G59_2_2010_V1.1_2011-12
TRF Originator .....	Intertek Shanghai
Master TRF .....	2011-12
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<b>Test item description</b> .....	Grid-tied inverter	
Trade Mark .....	GHREPOWER	
Manufacturer .....	Same as applicant	
Model/Type reference.....	GNW60K3G	
Rating.....	Class I, IP20	
	<b>Input</b>	
	Maximum input voltage	750V DC
	Maximum working voltage	700V DC
	Maximum input current	140A
	DC working voltage range	380-680V
	Maximum input power	65kW
	<b>Output</b>	
	Maximum working voltage	400Vac /3 $\phi$
	Nominal AC output Current	87A
	Nominal Frequency	50Hz
	Power (rated)	60KVA/60kW
	Power Factor (cos $\theta$ )	>0.99
<b>Test item particulars</b> .....	:	
Temperature range .....	-20°C ~55°C	
IP protection class .....	IP 20	
<b>Possible test case verdicts:</b>		
- test case does not apply to the test object.....	: N/A	
- test object does meet the requirement .....	: P(Pass)	
- test object does not meet the requirement .....	: F(Fail)	
<b>Testing</b> .....	:	
Date of receipt of test item.....	2012-06-11	
Date (s) of performance of tests.....	2012-06-11–2012-07-29	
<b>General remarks:</b>		
<p><b>The test results presented in this report only relate to the object (single inverter unit) tested and base on Low Voltage connected on small power station. The information about Generating Plant is no consider and no tesing.</b></p> <p><b>Installer and relevant persons shall comply with G59 and relevant standard and Grid Code in G59</b></p> <p>This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.</p> <p>"(see Enclosure #)" refers to additional information appended to the report.</p> <p>"(see appended table)" refers to a table appended to the report.</p> <p>Throughout this report a point is used as the decimal separator.</p> <p>Determination of the test result includes consideration of measurement uncertainty from the test equipment and methods.</p> <p>The test results presented in this report relate only to the item tested. The results indicate that the specimen partially complies with standard"ER G59/2:2010". See general product information next for details information.</p>		