



Test Report issued under the responsibility of:



TEST REPORT
IEC 62477-1
Safety requirements for power electronic converter systems
and equipment
Part 1: General

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Name of Testing Laboratory preparing the Report: SGS-CEC New Energy Technology (Chongqing) Co., Ltd.

Applicant's name: RelyEZ Energy Storage Technology Co., Ltd.
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TRF template used: IECEE OD-2020-F1:2020, Ed.1.3
Standard: IEC 62477-1:2012, AMD1:2016
Test procedure: CB Scheme
Non-standard test method: N/A

Test Report Form No.: IEC62477\_1D
Test Report Form(s) Originator: VDE Prüf- und Zertifizierungsinstitut GmbH
Master TRF: Dated 2020-09-08

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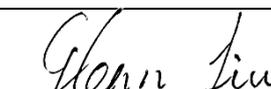
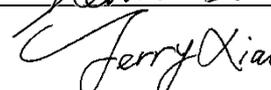
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<b>Test item description</b> ..... :	AC LFP Battery Energy Storage System (PCS integrated)	
<b>Trade Mark</b> ..... :		
<b>Manufacturer</b> ..... :	Jiangsu RelyEZ Energy Storage Technology Co., Ltd. 130 Tonggang Road, New District, Zhenjiang, Jiangsu, China	
<b>Model/Type reference</b> ..... :	YXYK-125K/552314-L	
<b>Ratings</b> ..... :	Input / Output: 230/400 V~, 50 Hz, 3W+N+PE, 210 A max., 133 kW max. Nominal voltage of battery unit: 832 Vd.c. Capacity: 314 Ah Protective Class I, IP54	
<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>		
<input checked="" type="checkbox"/>	<b>CB Testing Laboratory:</b>	SGS-CEC New Energy Technology (Chongqing) Co., Ltd.
	<b>Testing location/ address</b> ..... :	Building 13 & 14, No. 1839, Ranjun Road, Shuangfu Street, Jiangjin District, Chongqing, China
	<b>Tested by (name, function, signature)</b> ..... :	Glenn Liu Project Engineer 
	<b>Approved by (name, function, signature)</b> .. :	Jerry Xiao Technical Manager 
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 1:</b>	
	<b>Testing location/ address</b> ..... :	
	<b>Tested by (name, function, signature)</b> ..... :	
	<b>Approved by (name, function, signature)</b> .. :	
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 2:</b>	
	<b>Testing location/ address</b> ..... :	
	<b>Tested by (name + signature)</b> ..... :	
	<b>Witnessed by (name, function, signature)</b> .. :	
	<b>Approved by (name, function, signature)</b> .. :	
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 3:</b>	
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 4:</b>	
	<b>Testing location/ address</b> ..... :	
	<b>Tested by (name, function, signature)</b> ..... :	
	<b>Witnessed by (name, function, signature)</b> .. :	
	<b>Approved by (name, function, signature)</b> .. :	
	<b>Supervised by (name, function, signature)</b> :	

<p><b>List of Attachments (including a total number of pages in each attachment):</b></p> <p>Attachment 1: 10 pages of Photos; Attachment 2: 2 pages of system logic diagram</p>	
<p><b>Summary of testing:</b></p> <p>The sample(s) tested complies with the requirements of IEC 62477-1:2012 + AMD1:2016.</p> <p>Internal battery units (combination of battery packs and control box) have been separately evaluated per IEC 62619, IEC 63056 and IEC 62477-1, and the integrated PCS has been separately evaluated per IEC 62477-1. (Refer to critical component table for details).</p>	
<p><b>Tests performed (name of test and test clause):</b></p> <p>See appended clause for details</p>	<p><b>Testing location:</b></p> <p>SGS-CEC New Energy Technology (Chongqing) Co., Ltd Building 13 &amp; 14, No. 1839, Ranjun Road, Shuangfu Street, Jiangjin District, Chongqing, China</p>
<p><b>Summary of compliance with National Differences (List of countries addressed):</b></p> <p>EU Group Differences</p> <p><input checked="" type="checkbox"/> <b>The product fulfils the requirements of EN 62477-1:2012 + A11:2014 + A1:2017 + A12:2021</b></p>	
<p><b>Statement concerning the uncertainty of the measurement systems used for the tests</b> (may be required by the product standard or client)</p> <p><input type="checkbox"/> <b>Internal procedure used for type testing through which traceability of the measuring uncertainty has been established:</b></p> <p><b>Procedure number, issue date and title:</b></p> <p>Calculations leading to the reported values are on file with the NCB and testing laboratory that conducted the testing.</p> <p><input checked="" type="checkbox"/> <b>Statement not required by the standard used for type testing</b></p>	