**Prüfbericht - Produkte** *Test Report - Products* 



Test Report - Products			the second s	
Prüfbericht-Nr.: Test report no.:	60413038 001	Auftrags-Nr.: Order no.:	150229039	Seite 1 von 6 Page 1 of 6
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2020.09.02	
Auftraggeber: Client:	SolaX Power Network Techr No.288,Shizhu Road, Tonglu Province 310000, P. R. Chir	u Economic Develop		City, Zhejiang
Prüfgegenstand: Test item:	Secondary System, LiFePO	4		
Bezeichnung / Typ-Nr.: Identification / Type no.:	T-BAT H 5.8 (Master Pack) HV11550 (Slave Pack)			
Auftrags-Inhalt: Order content:	Safety test			
Prüfgrundlage: Test specification:	SII Requirement: 2020 Earthquake disaster counter 2) Test for Energy storage s		ush test	
Wareneingangsdatum: Date of sample receipt:	2020.09.10	Perel	13	
Prüfmuster-Nr.: Test sample no:	See TABLE			1-
Prüfzeitraum: Testing period:	2020.10.07 - 2020.10.07			
<b>Ort der Prüfung:</b> Place of testing:	See Page 2			~
<b>Prüflaboratorium:</b> Testing laboratory:	See Page 2			1
<b>Prüfergebnis*:</b> Test result*:	Pass			
<b>geprüft von:</b> tested by:Y.Yamanaka	11/12 /	genehmigt von: authorized by: Y.	Yao	Max-
<b>Datum:</b> Date: 2020.10.20	F. Journal	Ausstellungsdat Issue date: 2020	U	
Stellung / Position: P	Project Engineer	Stellung / Position:	Project Engi	neer
Sonstiges / Other:				
Zustand des Prüfgegens Condition of the test item a	at delivery:	Test item complete	dig und unbeschädig and undamaged	
* Legende: P(ass) = entspricht o * Legend: P(ass) = passed a.m		nicht o.g. Prüfgrundlage(n) test specification(s)	N/A = nicht anwendbar N/A = not applicable	N/T = nicht geteste N/T = not tested
Dieser Prüfbericht bezieht auszugsweise vervielfältigt v This test report only relates to	sich nur auf das o.g. Prüfn werden. Dieser Bericht berechtig o the a. m. test sample. Without p t report does not entitle to carry any	nuster und darf oh t nicht zur Verwendu ermission of the test c	ne Genehmigung de ng eines Prüfzeichens	r Prüfstelle nich



Testing location:		
Place of testing	TÜV Rheinland Japan Ltd.,	
	Kansai Technology Assesment Center (KTAC)	
	1-3-14 Fukaeminami, Higashinari-ku	
	Osaka 537-0002 Japan	
Testing laboratory	TÜV Rheinland Japan Ltd., Osaka Laboratory	
	1-3-14 Fukaeminami, Higashinari-ku	
	Osaka 537-0002 Japan	

## Tests performed (name of test and test clause):

Earthquake disaster countermeasure standard according to SII requirement: 2020

- 2) Test for Energy storage system, Enclosure crush test

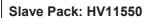
Photo of sample:

Master Pack: T-BAT H 5.8





Photo of sample:







Test item designation	
Master Pack	
Identification / Type No:	T-BAT H 5.8
Gross mass	72.2 kg
Dimension(W x D x H)	474 x 193 x 708 mm
Rated Voltage	115.2 V
Rated Capacity:	50 Ah
Slave Pack	
Identification / Type No:	HV11550
Gross mass	68.5 kg
Dimension(W x D x H)	474 x 193 x 647 mm
Rated Voltage	115.2 V
Rated Capacity:	50 Ah
Possible test case verdicts	
- 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)



SII Requirement :2020				
Clause	Requirement + Test	Result - Remark	Verdict	
1	Earthquake disaster countermeasure standard			
1.2	2) Test for Energy storage system, Enclosure crush test		Р	
	<ul> <li>Apply a pressure of 50 kN on the top surface of the enclosure of the energy storage system with a flat plate (holding time: 10 minutes), and check that the enclosure does not deform while still under the pressure. The criteria is that the enclosure of the energy storage system does not deform between the top and bottom surfaces. However, deformation within 1% is acceptable. The number of test is one.</li> <li>In addition, it is recommended to take measures for seismic support (anchor bolts, etc.) when installing equipment.</li> </ul>		P	

## TABLE:

Туре No.	T- BAT H 5.8	HV11550
Sample No.:	6S58AG819AC85	6S58BG819AC035
Height of enclosure [mm] before	692.5	631.5
Deformation [mm]	5.22	4.94
Deformation [%]	0.75	0.78
Verdict (SII requirement)	<u>P</u>	<u>P</u>



## List of test equipment used:

Clause	ID	Testing / measuring equipment / material used	Туре	Manufacturer	Calibration due date
1.2	ML-0065	Memory HiLogger	LR8400-20	Hioki	2021.05.08
	ML-0089	Crush Tester (Force)	TGI-250kN- W1220	Minebea	2021.05.07
	ML-0399	Crush Tester (Position)	TGI-250kN- W1220	Minebea	2021.06.23
	ML-0133	Ruler 1000mm	1000mm	Shinwa	2021.07.09

- End of Test report-