TEST REPORT

Report No .: TH18JR-1429R

Product: Flexible Solar Panel

eGo S5W, eGo S7W, eGo S14W, eGo S20W, eGo S30W, eGo

S35W, eGo S40W, eGo S50W, eGo S55W, eGo S60W, eGo S70W, eGo S80W, eGo S90W, eGo S100W, eGo S110W, eGo

S120W, eGo S130W, eGo S135W, eGo S140W, eGo S145W,

eGo S150W

SHENZHEN AHONY POWER CO.,LTD Applicant:

4B, Quanju Industrial Park, Guangming District, Shenzhen, Address:

518106, China

Sample Received

Date:

Date:

Model:

2018-10-15

Testing completed

2018-11-02

Test Method:

Please refer to next page(s)

Based on the performed tests on submitted sampLe(s), the results of lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl

ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl)

Test Conclusion: phthaLate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl

phthalate (DBP), and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending

Annex II to Directive (EU)2017/2102.

Note All tests performed on model: eGo S150W.

> Uthorized by: For Shenzhen Tian Hal Test Technology Co., Ltd.

Thomas Wong

Test data presented in this report are gathered and based on the test reports of separated parts supplied by the applicant. Shenzhen Tian Hai Test Technology Co., Ltd. is not responsible for the authenticity of all the test data of these reports.

The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the Shenzhen Tian Hai Test Technology Co., Ltd.

Report No.: TH18JR-1429R

Page 1 of 8

Test Method:

- With reference to IEC 62321-2:2013, review was performed for the samples disjointed from the submitted articles.
- 2. With reference to IEC 62321-1:2013, tests were performed for the samples indicated by the photos in this report
- (1) With reference to IEC 62321-3-1:2013, screening by EDXRF spectroscopy
- (2) Wet chemical test method
- a. With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES
- b. With reference to IEC 62321-5:2013, determination of Lead by ICP-OES
- c. With reference to IEC 62321-4:2013+A1:2017, determination of Mercury by ICP-OES
- d. With reference to IEC 62321-7-1:2015 & IEC 62321:2008, determination of Hexavalent chromium by Colorimetric method using UV-Vis.
- e. With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS.

Report No.: TH18JR-1429R Page 2 of 8

In accordance with the result of material risk assessment, the following disjointed parts in the submitted sample have been verified.

60	5	- 1	6		.40	X
4	The state of the s	74	25	Results	Result of	7.
Part	3.	вом	Restricted	of	Wet	Conclusion
	Part Description.		24.	4	Chemical	on EU
No.	F	No.	Substances.	EDXRF	Testing(2)	RoHS
		4	~	(1)	(mg/kg)	Ś
0)	5	Pb	€ BL	~ ·- ×	Comply
1	6 5	~	Cd	BL 2	8 8	Comply
72	W X		A Hg	BL 🥎		Comply
2	Connector		Cr(VI)	BL	-8	Comply
1	Connector	3	PBBs	BL		Comply
'	Color:Black	T. D.	PBDEs	BL		Comply
, yr	COIOI.DIACK		DIBP	BL	-4	Comply
5	Ś		DEHP	BL	149-	Comply
7	1 4	1	DBP	BL	\$	Comply
	S	150	BBP	BL	Z"	Comply
	E	8	Pb	BL	3	Comply
38	- A	Z.	Cd	BL 🔷	💥	Comply
2	^ 3		Hg	BL	,8"	Comply
7/1	Ecotoporo		Cr(VI)	BL		Comply
2	Fasteners		PBBs	BL	5	Comply
2	Color:Black		PBDEs	BL 🚫		Comply
.0	COIOI.DIACK		DIBP	BL	&	Comply
25	E. A.	2	DEHP	BL		Comply
· F	E E	1	DBP	BL		Comply
74.	7, 7,	2	BBP	BL	62	Comply
	The state of the s		Pb	BL	Z'	Comply
	4	1	Cd	BL		Comply
	,60	,0	Hg	BL	Z	Comply
	Rubber mat	14	Cr(VI)	BL	,69-	Comply
3	F 43	72	PBBs	BL	54 3	Comply
2	Color:Red		PBDEs	BL	8 8	Comply
TA	77, 72		DIBP	BL 🦂	*	Comply
	E.	L.	DEHP	BL		Comply
	7,		DBP	BL		Comply
1	4		BBP	BL	-6	Comply
60	62	1	Pb	BL	2	Comply
4	4 5	60	Cd	BL	8	Comply
	Wire	1	Hg	BL	Z	Comply
	F 7,	28 -	Cr(VI)	J BL	8	Comply
34	Color:Black		PBBs	BL	2	Comply
· E	Th		PBDEs	BL	27	Comply
1			DIBP	BL	A	Comply

Report No.: TH18JR-1429R Page 3 of 8



11	7/1		7/2			
Part No.	Part Description.	BOM No.	Restricted Substances.	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS
^	7,		DEHP	BL	F	Comply
	77		DBP	BL		Comply
=	4	4	BBP	ABL		Comply
.4	?	5	Pb	₿ BL	L K	Comply
	6 5		Cd	BL 🔏	8 8	Comply
77	4 3		∠ Hg X	BL S		Comply
5	Cooling		Cr(VI)	BL	72	Comply
5	Casing		PBBs	BL		Comply
5	Color:Black	18	PBDEs	/BL		Comply
,	COIOI.DIACK		DIBP	BL	<u> </u>	Comply
Ś	.6		DEHP	BL	14-	Comply
/	1 14		DBP	BL	\$	Comply
	S F	150	BBP	BL	Z'	Comply
	(L. Z.	1	Pb	BL	S (Comply
>	7 7		Cd	BL A	2	Comply
2	3		Hg	BL	25	Comply
7/1	0		Cr(VI)	BL	A	Comply
•	Connector mental		PBBs	BL	9	Comply
6	CalaryCibran	-	PBDEs	BL 🦠		Comply
5	Color:Silver		DIBP	BL	8	Comply
14	X X		DEHP	BL		Comply
D.	E. E.		DBP	BL	4	Comply
Z.,	Y., Zi.		BBP	BL	2	Comply
	, P		Pb	BL	~	Comply
	4	1	Cd	BL		Comply
	5	,0	Hg	BL		Comply
	24	14	Cr(VI)	BL	,9	Comply
_	Rubber plug	F	PBBs	BL	- K 3	Comply
7	O a la su Dila a la	Z	PBDEs	BL	8 8	Comply
TA	Color:Black		DIBP	BL	Z Z	Comply
	E.	Z.	DEHP	BL		Comply
	N'		DBP	BL		Comply
4	7		BBP	BL	6	Comply
19	150	~	Pb	BL	20	Comply
, v	4 5	15	Cd	BL	· F	Comply
	Wire inner layer	70	Hg	BL	Z ²	Comply
8	The Hardington	X -	Cr(VI)	BL	8	Comply
-	Color:White		PBBs	BL	5	Comply
8	. Like		PBDEs	BL	28	Comply
1			DIBP	BL	A	Comply

Report No.: TH18JR-1429R Page 4 of 8



1	7		1/4			
Part No.	Part Description.	BOM No.	Restricted Substances.	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS
	EZ.		DEHP	BL		Comply
	72		DBP	BL		Comply
	4	1	BBP	∠BL)	Comply
,4	2	W	Pb	₿ BL	A B	Comply
	5		Cd	BL	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	Comply
The same	The state of the s		∠ Hg ∠	BL 🔊		Comply
5	Wire mental	-	Cr(VI)	BL	72	Comply
A., O.	Wire mental		PBBs	BL		Comply
9	Color:Silver	- P	PBDEs	BL		Comply
2	Color.Silver		DIBP	BL	_A_	Comply
5	Ś		DEHP	BL	142	Comply
4	4	1	DBP	BL	S	Comply
	19	100	BBP	BL	2"	Comply
	Z, Z,	1	Pb	BL	S	Comply
3	T B	Z.	Cd	BL	🗵	Comply
7	V. 3		Hg	BL	P	Comply
The			Cr(VI)	BL		Comply
4.0	Plastic enclosure		PBBs	BL	6	Comply
10	- W	-	PBDEs	BL		Comply
6	Color:White	\$	DIBP	BL	47	Comply
4	J 4		DEHP	BL		Comply
0	7,	-2	DBP	BL	- 4g	Comply
37	YII BU	5/1	BBP	BL	2	Comply
-	, P		Pb	BL	~~ <u>~</u>	Comply
			Cd	BL		Comply
	6	6	Hg	BL		Comply
	Plastic coating	14	Cr(VI)	BL	<u> </u>	Comply
o` .	layer	P.	PBBs	BL	- 4 <u></u> 3	Comply
11	layer	Z	PBDEs	BL	8 8	Comply
F	Color:Black		DIBP	BL	Z	Comply
1	Oolor.Black		DEHP	BL		Comply
	12	_	DBP	BL		
3			BBP	BL		Comply
5	.6	136	Pb	BL	70	Comply
W	4 4	5	Cd	BL		Comply
5.	S EVA	14		174.1	77	Comply
10	EVA	F	Hg	BL	Ø	Comply
12	ColoriTranamamam	E -	Cr(VI)	BL	//	Comply
-	Color:Transparent		PBBs	BL	8	Comply
18	1		PBDEs	BL	, ^	Comply
	Sage Sage		DIBP	BL	<u> </u>	Comply

Report No.: TH18JR-1429R Page 5 of 8



	X 2					4
Part No.	Part Description.	BOM No.	Restricted Substances.	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS
^	7		DEHP	BL	8	Comply
	The state of the s		DBP	BL		Comply
	4		BBP	ABL		Comply
4		E C	Pb	₿ BL	L K	Comply
	5 5		Cd	BL	? X	Comply
ZZ	74 37		// Hg	BL 🛇		Comply
E	JE TPT JE		Cr(VI)	BL	2-2	Comply
13	Zi, ILI Vii	2	PBBs	BL		Comply
	Color:White	T	PBDEs	BL		Comply
1	COIOI.VVIIIC	~	DIBP	BL	<u> </u>	Comply
2	,6		DEHP	BL	14-	Comply
	1 14	1	DBP	BL	8	Comply
	5° E	19	BBP	BL	¥	Comply
	Z. Z.	1	Pb	BL		Comply
		X.	Cd	BL 🐬	🖔	Comply
E.	2	V.	Hg	BL	25	Comply
1/1	Battery cell		Cr(VI)	BL	A	Comply
14	Dattery Cell		PBBs	BL /		Comply
14	Color:Blue	_	PBDEs	BL	√ ₀	Comply
			DIBP	BL	2	Comply
24		3	DEHP	BL	-	Comply
P	F SF	F	DBP	BL	4	Comply
720	V. R.	1	BBP	BL	N. R.	Comply

Remark:

- (1) (a) There are the results on total Br while test items on restricted substances are PBBs and PBDEs. There is the result on total Cr while test item on restricted substances is Cr(VI).
 - (b) Results are obtained by EDXRF for primary screening, and further chemical testing by ICP-OES (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC62321-3-1:2013 (unit: mg/kg).

Elemen	Polymer	Metal	Composite Materials
Cd	BL≤(700-3σ) <x<(1300+3 td="" σ)≤ol<=""><td>BL≤(70-3σ)<x<(130+3σ)≤ OL</x<(130+3σ)≤ </td><td>LOD <x<(150+3σ)≤ol< td=""></x<(150+3σ)≤ol<></td></x<(1300+3>	BL≤(70-3σ) <x<(130+3σ)≤ OL</x<(130+3σ)≤ 	LOD <x<(150+3σ)≤ol< td=""></x<(150+3σ)≤ol<>

Report No.: TH18JR-1429R Page 6 of 8

Pb	BL≤(700-3σ) <x<(1300+3 th="" σ)≤ol<=""><th>BL≤(700-3σ)<x<(1300+3σ) ≤OL</x<(1300+3σ) </th><th>BL≤(500-3σ)<x<(1500+ 3σ)≤OL</x<(1500+ </th></x<(1300+3>	BL≤(700-3σ) <x<(1300+3σ) ≤OL</x<(1300+3σ) 	BL≤(500-3σ) <x<(1500+ 3σ)≤OL</x<(1500+
Hg	BL≤(700-3σ) <x<(1300+3 td="" σ)≤ol<=""><td>BL≤(700-3σ)<x<(1300+3σ) ≤OL</x<(1300+3σ) </td><td>BL≤(500-3σ)<x<(1500+ 3σ)≤OL</x<(1500+ </td></x<(1300+3>	BL≤(700-3σ) <x<(1300+3σ) ≤OL</x<(1300+3σ) 	BL≤(500-3σ) <x<(1500+ 3σ)≤OL</x<(1500+
Br	BL≤(300-3σ)< X	- 1/2 1/2	BL≤(250-3σ)< X
Cr	BL≤(700-3σ)< X	BL≤(700-3σ)< X	BL≤(500-3σ)< X

- (c) BL = Below Limit, OL = Over Limit, IN = Inconclusive, LOD = Limit of Detection,-- = Not regulated.
- (d) The XRF screening test for RoHS elements The reading may be different to the Actual content in the sample be of non-uniformity composition.
- (2) (a) mg/kg = 0.0001%, MDL = Method detection Limit, ND = Not Detected (<MDL), --- = Not conducted, = Without BOM.
 - (b) Unit and MDL in wet chemical test

Test Item	Pb	Cd	Hg		
Unit	mg/kg	mg/kg	mg/kg		
MDL	10	10	10		

The MDL for single compound of PBBs and PBDEs is 100 mg/kg. MDL of Cr(VI) for polymer and composite sample is 10 mg/kg. MDL of Cr(VI) for metal sample is 0.10 µg/cm².

- (c) ▼ =Metal sample
 - a. The sample is positive for CrVI if the CrVI concentration is greater than 0.13 $\mu g/cm^2$. The sample coating is considered to contain CrVI.
 - b. The sample is negative for CrVI if CrVI is ND (concentration less than $0.10 \ \mu g/cm^2$). The coating is considered a non-CrVI based coating.
 - c. The result between 0.10 μg/cm² and 0.13 μg/cm² is considered to be inconclusive unavoidable coating variations may influence the determination

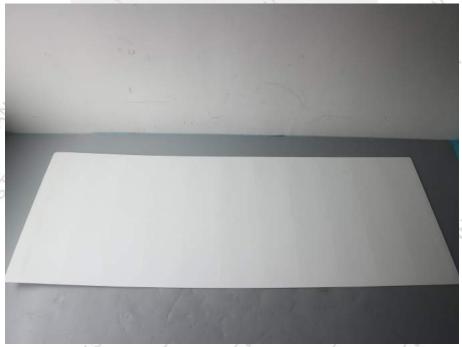
Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

Report No.: TH18JR-1429R Page 7 of 8



Product photographs





***** End of Report *****

Report No.: TH18JR-1429R Page 8 of 8





China National Accreditation Service for Conformity Assessment LABORATORY ACCREDITATION CERTIFICATE (Registration No. CNAS L5885)

Shenzhen Tianhai Test Technology Co., Ltd.

(Legal Entity: Shenzhen Tianhai Test Technology Co., Ltd.)

4B/F., Building A3, The Silicon Valley Power Intelligent Terminal Industrial

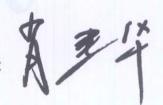
Park, Guanlan Street, Longhua District, Shenzhen, Guangdong, China

is accredited in accordance with ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories(CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence to undertake the service described in the schedule attached to this certificate.

The scope of accreditation is detailed in the attached schedule bearing the same registration number as above. The schedule forms an integral part of this certificate.

Effective Date: 2019-01-22 Expiry Date: 2025-01-21

Signed on behalf of China National Accreditation Service for Conformity Assessment



China National Accreditation Service for Conformity Assessment(CNAS) is authorized by Certification and Accreditation Administration of the People's Republic of China (CNCA) to operate the national accreditation schemes for conformity assessment. CNAS is a signatory of the International Laboratory Accreditation Cooperation Mutual Recognition Arrangement (ILAC MRA) and the Asia Pacific Laboratory Accreditation Cooperation Mutual Recognition Arrangement (APLAC MRA). The validity of the certificate can be checked on CNAS website at http://www.cnas.org.cn/english/findanaccreditedbody/index.shtml