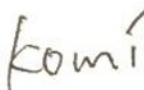


 TOP INSPECTION IN CHINA	INSPECTION REPORT <i>THIS DOCUMENT IS NON-NEGOTIABLE</i>	Client Name	██████████
		Report No.	TIR22011139-WX
		Inspection Date	Jan. 11 th , 2022

From:	Top Int'l Inspection Service Co., Ltd	To:	██████████
Contact:	Peter Tan	Contact:	Cyleen
E-mail:	info@tis-service.cn	Location:	Wuxi, Jiangsu, China
Inspector:	Louis	Weather:	Sunny

I.GENERAL INFORMATION		
Supplier:	████████████████████	Product Photo 
Manufacturer:	████████████████████	
Product Name:	Solar Panel 20Wp	
PO No.:	21000163	
Item No.:	SPV20V1	
Order Quantity:	3,500 Pcs	
Inspection Quantity:	3,500 Pcs	
Reference Sample:	No Sample	
Inspection Type:	Pre-Shipment Inspection	

II.OVERALL INSPECTION CONCLUSION	
FAILED	   Certificate No. ZZCQ201026148
	Approved by: Komi Wang, Quality Manager of Report Reviewing
PASSED PASSED (Conditional) PENDING FAILED - Conform to Client's Requirement - The Passed results will be valid only after the client notes and accepts the issues in the remarks - Subject to Client's Evaluation - Not Conform to Client's Requirement	

AQL DETAILS					
Inspection Standard: ANSI/ASQC Z1.4-2008			Defects		
			Critical	Major	Minor
Sampling Plan: Normal, Single		AQL	0	2.5	4.0
Inspection Level: Level II		Defects Found:	0	0	6
Sample Size:	125 PCS	Max. Allowed:	0	7	10
RESULT		PASS			
- The defective rate of this inspection was 4.8% (Cr defective rate: 0%, major defective rate: 0%, minor defective rate: 4.8%).					

	INSPECTION REPORT <i>THIS DOCUMENT IS NON-NEGOTIABLE</i>	Client Name	██████████
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III. INSPECTION SUMMARY				
Category	Passed	Failed	Pending	N/A
Quantity (Part A)			✓	
Workmanship (Part B)	✓			
On-Site Test (Part C)			✓	
Product Specification (Part D)	✓			
Packaging (Part E)			✓	
Marking & Label & Accessories (Part F)		✓		
Client Special Requirement (Part G)				✓

* The Passed results will be valid only after the client **Notes and accepts** the issues in the following remarks.

IV. REMARKS		
Problem Remarks:		
1	Only 500pcs were finished packing.	
2	The width of the master carton and inner carton is different with the spec, but it is suitable.	
3	No N.W./G.W. information on the master carton.	
4	The serial number was different with spec.	
5	The factory refused to do carton drop test.	
6	The shipping mark was wrong, and the side mark missed printed.	
7	The internal structure of the junction box is different form spec.	
General Remarks:		
8	All defects have been picked out.	
Mold/Rust risk assessment – expected results:		
9	Product: The product should not have any moisture visually present, no odor due to moisture and no moisture that can be felt when rubbing your hand across the product.	No Risk
10	Product: The actual result of the moisture content test should not exceed the maximum content allowed (For wooden / Bamboo / Rattan / Fabric / Leather products).	No Risk
11	High water absorptive product: The product should be isolated from air completely in the packaging, desiccant should be used in the packaging and shipment container to prevent mould.	No Risk
12	Iron product: The iron material should be protected with coating / paint on the surface to prevent the mould.	No Risk
13	Package: At least one mold prevention unit in the packaging (ex: Silica gel, Micro Pak, Super Dry, etc.).	N/A
14	Cartons: Should be inside of the warehouse/factory on pallets (no contact with walls/floor), dry (check the bottom of cartons) and without moisture or odor.	No Risk
15	Storing conditions of cartons, products, fabric, material: Should be clean, dry, with ventilation and without mold/water on walls.	No Risk
16	Relative humidity in storing area: Check factory's hygrometer. The relative humidity should be < 70%. If there is not any factory's hygrometer, write N/A.	N/A
Factory Information:		
17	Factory cooperation: ☐ Good - Enough manpower to assist, and good cooperation.	

☒ **Average** - Enough manpower to assist.

☐ **Poor** - Manpower, equipment or document not provided timely.

Inspector's opinion on the factory:

☐ **Good** - The factory was neat and tidy. The testing equipment was well maintained and calibrated.

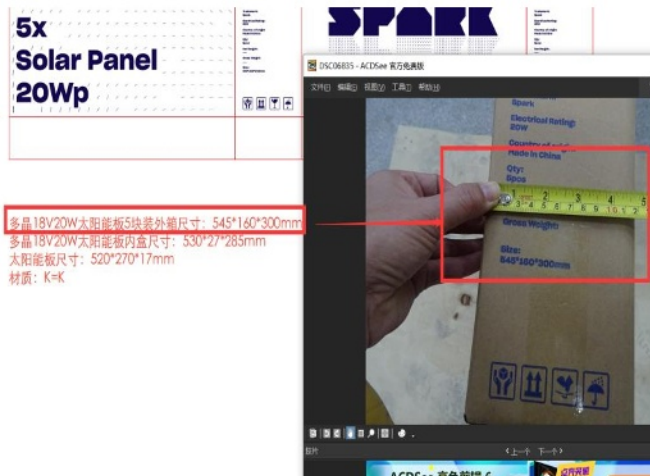
☒ **Average** - The factory was tidy, and the testing equipment ran normally.

☐ **Poor** - The factory was messed, the basic testing equipment was not available / not workable.

Sample Collection Record:

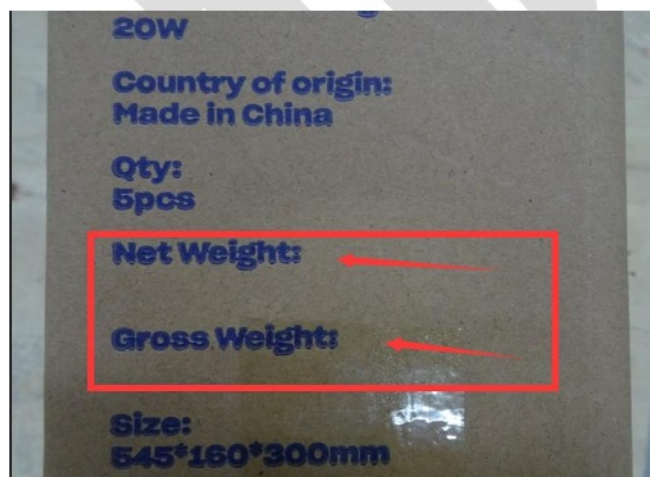
19 No samples collected on site

Remark Photos:



Remark 2: The width of the master carton and inner carton is different with the spec, but it is suitable.

Remark 2: The width of the master carton and inner carton is different with the spec, but it is suitable.



Remark 3: No N.W./G.W. information on the master carton.

Remark 4: The serial number was different with spec.

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FRAGILE
Please handle with care

Model: SPV20V1

5x
Solar Panel
20Wp

Artworks



Actual finding

Remark 6: The shipping mark was wrong.

Remark 6: The shipping mark was wrong.



Actual finding

Remark 6: The side mark missed printed.

SOLAR PANEL
20WP

Product Name:
Spark Solar Panel
Model:
SPV20V1
Trademark:
Spark
Electrical Rating:
20W
Country of origin:
Made in China
Qty:
5pcs
Net Weight:
.....
Gross Weight:
.....
Size:
545*160*300mm

Artworks

Remark 6: The side mark missed printed.



Actual finding



Artworks

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Remark 7: The internal structure of the junction box is different from spec.	Remark 7: The internal structure of the junction box is different from spec.
--	--

PART A. QUANTITY CHECKING								
Item	Order Q'ty	Q'ty/Carton	Order Cartons	Quantity Breakdown			Sample Size	
				Packed	Unpacked	Unfinished	Packed	Unpacked
SPV20V1	3,500	5	700	3,000	500	0	125	0
Total:	3,500	-	700	3,000	500	0	125	0
Selected Cartons:								
27 cartons were selected randomly on site.								
Carton No.: N/A								
Spare Parts & Quantity Check:								
Were there any spare parts on site for checking?								N/A
Did the spare parts quantity conform to the client's list/specification?								N/A
Result: Pending								
Remark:	- Only 500pcs were finished packing.							

PART B.WORKMANSHIP					
Defect Description			Critical	Major	Minor
For SPV20V1, Sample size: 125pcs					
1	Glue mark		0	0	5
2	Poor assembly		0	0	1
Total Defects Found:			0	0	6
Defect Max. Allowed:			0	7	10
Sample size:			125	125	125
Inspection Result:			Passed	Passed	Passed
Result: Passed					
Remark:	N/A				
Note: A Defective is defined as a unit of product that contains one or more defects. A Defect is defined as any non-conformance of the inspected unit of product with specified requirements. A single defect is taken into account per each defective unit; only one most serious defect is taken into account per each defective unit.					

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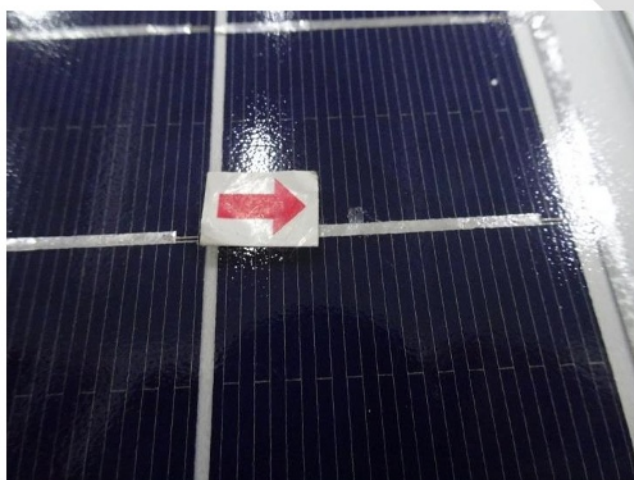
Client Name	
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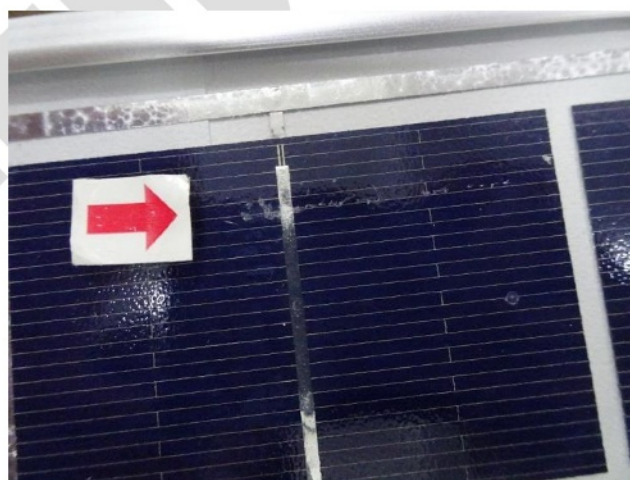
Glue mark



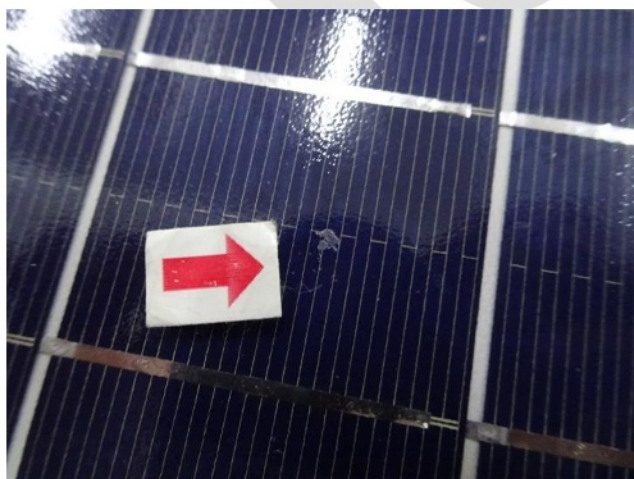
Glue mark



Glue mark



Glue mark



Glue mark



Poor assembly

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PART C.ON-SITE TESTS					
IL-S-2, RIGID-General, AQL-4.0					
	Description	Level	Sample Size	Test Result	Specification/Tolerance
1	Function test	S-2	8pcs	Passed	N/A
2	Water-proof test	S-2	8pcs	Passed	N/A
3	Pull test	S-2	8pcs	Passed	N/A
4	Drop Test	-	1 Carton	Pending	The factory refused to do carton drop test.
5	Smell Test	G-II	125pcs	Passed	N/A
Result: Pending					
Remark:	The factory refused to do carton drop test.				

PART D.SPECIFICATION CHECKING					
	Client's Spec.	Ref. Sample	1# Sample	2# Sample	3# Sample
Item No.: SPV20V1					
Product size L*W*H(cm)	52x27x1.7	N/A	52x27x1.7	52x27x1.7	52x27x1.7
Logo size L*H(cm)	N/A	N/A	N/A	N/A	N/A
Net Weight (g)	1.2	N/A	1.1	1.15	1.15
Inner carton size(cm)	53x2.7x28.5	N/A	53x2.0x28.1	53x2.2x28	53.2x2.1x28.5
Inner carton weight(kg)	N/A	N/A	1.75	1.70	1.75
Result: Passed(Conditional)					
Remark:	-The width of the inner carton is different with the spec, but it is suitable.				

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PART E. PACKING CHECKING

Package Detail



Item No.	Q'ty / Carton		Carton Size (L×W×H, cm)		Gross Weight(kgs)		Q'ty / Inner box	
	Spec.	Actual	Spec.	Actual	Spec.	Actual	Spec.	Actual
SPV20V1	5	5	54.5x16x30	55.3x12x30	N/A	9.05	1	1

Export Carton Details

Fastening Metal Staples	Yes	Nylon Band	No
Material	Card board	Corrugated Paper Plies	5-Ply

Packing Method:

Each unit packed into inner box separately, then 5pcs packed into master carton box.

Assortment Method:

N/A

Result: Pending

Remark: The width of the master carton is different with the spec, but it is suitable.
-The internal structure of the junction box is different form spec.

PART F. MARKING & LABEL & ACCESSORIES

Barcode/Label/Printing

Name	Location	Spec.	Actual finding	Result
Item No.: SPV20V1				
Barcode	N/A	N/A	N/A	N/A
QR code	N/A	N/A	N/A	N/A

Accessories check

N/A

Shipping Marks

Shipping Marks (on 2 Side)	Failed
Side Marks (on 2 Side)	Failed
Inner Box Marks (on 2 Side)	Passed

Result: Failed

Remark: -No N.W./G.W. information on the master carton.
-The shipping mark was wrong, and the side mark missed printed.

PART G. CLIENT SPECIAL REQUIREMENTS

	Client Requirements	Result
1	N/A	N/A
Result: N/A		
Remark:	N/A	

PART H. PHOTOS

Photos of Product: SPV20V1



Carton view



Carton view



Main mark



Main mark details



Main mark details



Main mark details

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Main mark



Main mark details

FRAGILE
Please handle with care

Model: SPV1 OV1

Main mark details



Main mark details

SOLAR PANEL
20WP

Product Name:
Spark Solar Panel
Model:
SPV20V1
Trademark:
Spark
Electrical Rating:
20W
Country of origin:
Made in China
Qty:
6pcs
Net Weight:
Gross Weight:
Size:
648*260*300mm



Side mark

**SOLAR PANEL
20WP**

**Product Name:
Spark Solar Panel**

**Model:
SPV20V1**

**Trademark:
Spark**

Electrical Rating:

Side mark detail

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Side mark detail



Side mark



Opened carton



5-ply



5 inner boxes per carton



5 inner boxes per carton

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Main mark on the inner box



Main mark detail



Main mark detail



Main mark on the inner box



Main mark detail



Main mark detail

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Open inner box



3-ply



Opened inner box



Product view



Product view



Product detail

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Product detail



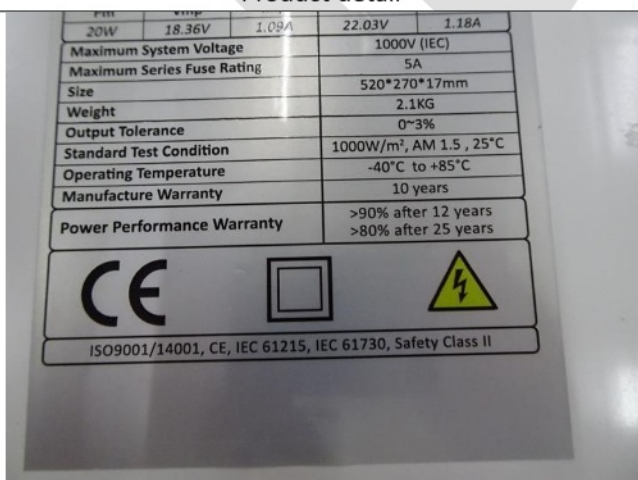
Product detail



Product detail



Product detail



Product detail



Product detail

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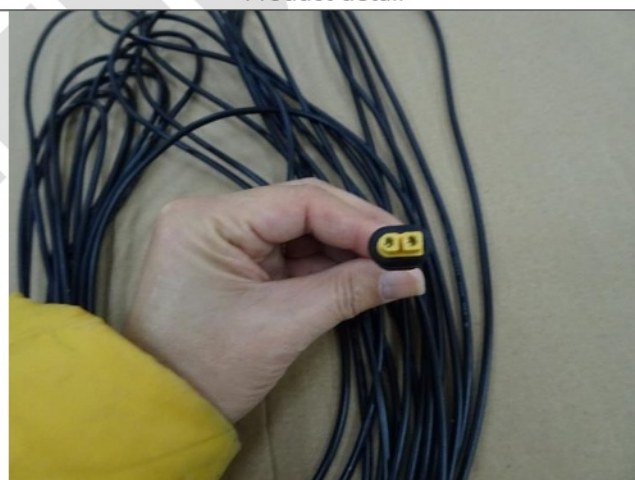
Product detail



Product detail



Product detail

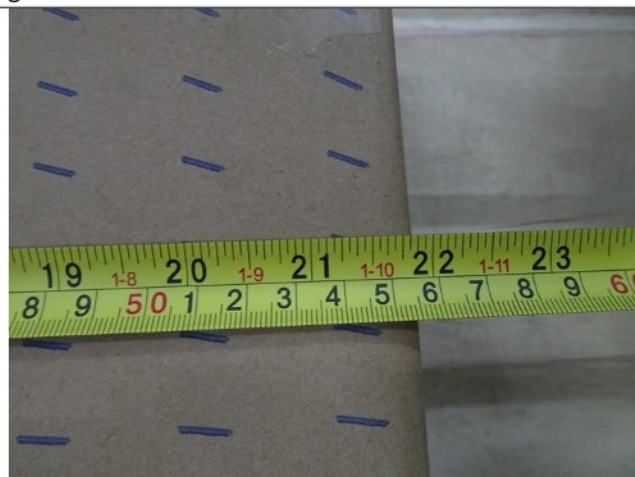


Product detail

Size and weight



Carton size check



Carton size check – 55.5 cm

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Master carton size check



Carton size check – 30 cm



Master carton size check



Carton size check – 12 cm



Master carton weight check

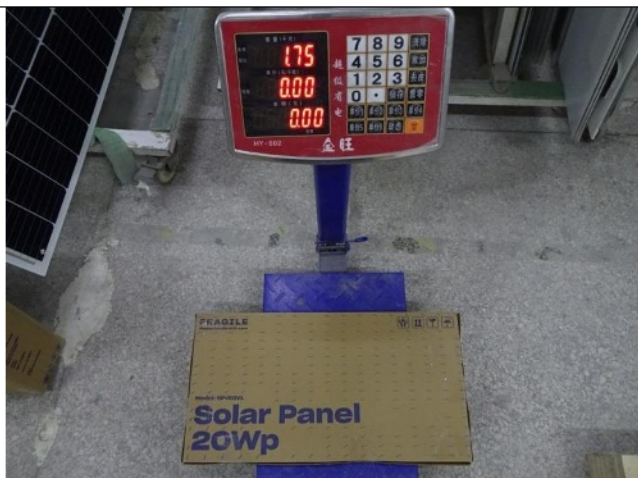


Carton weight check – 9.05 kg

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Inner carton weight check



Carton weight check – 1.75 kg



Inner box size check



Inner box size check – 53 cm



Inner box size check



Inner box size check – 28 cm

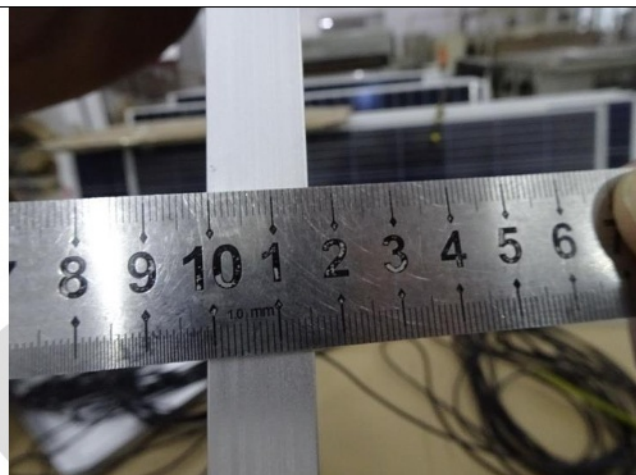
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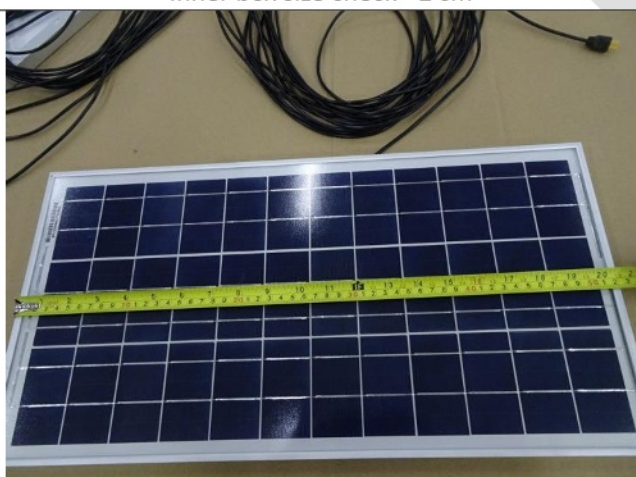
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Inner box size check - 2 cm



Product size check - 1.7 cm



Product size check



Product size check - 52 cm



Product size check



Product size check - 27 cm

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Carton weight check



Carton weight check – 1.65 kg



Label size check –9*12 cm



Label size check –9*12 cm



Label size check –5.0*1 cm



Label size check –5.0*1 cm

On site Test

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Pull test



Water-proof test product number



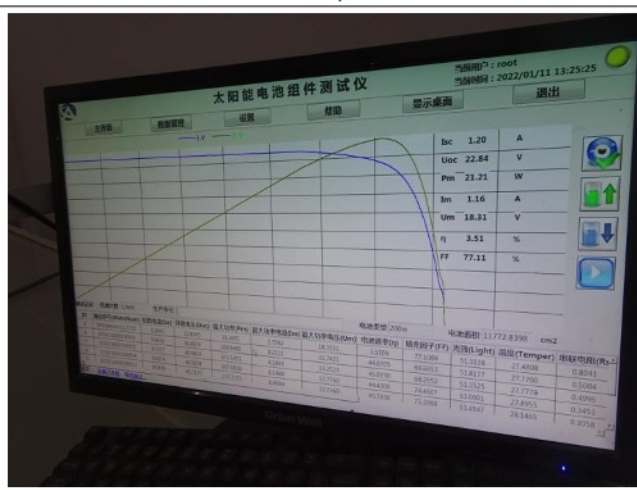
Water-proof test



After water-proof test



Function test



Function test

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检测次数 12605 生产序号 [REDACTED]

试序号(ManuNum)	短路电流(Isc)	开路电压(Uoc)	最大功
SPV20BSMV1121331	1.2043	22.8395	21.2
SCSSCS0000190936	9.4430	40.8676	268.8
SCSSCS0000190935	9.7277	40.9819	272.1
SCSSCS0000190934	8.8374	40.5878	267.0
SCSSCS0000190933	8.9745		

Function test

电池类型 200w

n)	最大功率电流(Im)	最大功率电压(Um)	电池效率(η)	填充因子(FF)
	1.1582	18.3121	3.5109	77.1084
	8.2111	32.7421	44.0705	69.6653
	8.1843	33.2523	45.0150	68.2652
	8.1488	32.7760	44.4309	74.4607

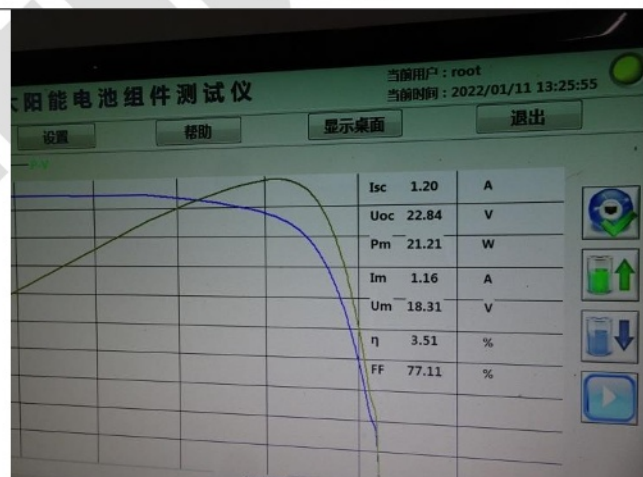
Function test

FF 77.11 %

电池面积 11772.8398 cm2

填充因子(FF)	光强(Light)	温度(Temper)	串联电阻(Rs)
77.1084	51.3138	27.4808	0.8041
69.6653	51.8177	27.7700	0.5004
68.2652	51.3525	27.7778	0.4996
74.4607	51.0601	27.8955	0.3453
75.3099	51.4547	28.1465	0.3058

Function test



Function test

Photos of other information



Factory name



Production line

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PART I. ANTI-BRIBERY LETTER

TOP + 托普國際 香港托普国际验货服务有限公司
TOP INSPECTION IN CHINA TOP INTERNATIONAL INSPECTION SERVICE CO., LTD

廉正声明 / ANTI-BRIBERY LETTER

本公司致客户/供应商/厂家/仓库管理人员：
TO CLIENTS/SUPPLIER/MANUFACTURER/WAREHOUSE MANAGER,

本公司以公平、诚信作为最高商业原则，禁止本公司职员借工作之便，谋取任何个人利益，包括但不限于：金钱、费用、回佣、样本、礼物、样品等任何有价值物。在此恳请贵公司监督合作，共同维护公平的商业行为。
TOP REGARD HONESTY AND FAIRNESS AS OUR TOP BUSINESS PRINCIPLE. IT IS FORBIDDEN FOR OUR STAFF TO ASK FOR OR ACCEPT ANY THINGS INCLUDING BUT NOT LIMITED TO: CASH, EXPENSE, COMMISSION, SAMPLE, GIFTS, CATALOG, OR ANY OTHER THINGS VALUABLE. WE HEREBY APPRECIATE YOUR COOPERATION TO MONITOR OUR INSPECTOR.

贵公司在阅读以上声明后，请在下方签字并盖上印章。
AFTER READING THE ABOVE LETTER, PLEASE SIGN AND CHOP IN BELOW SPACE.

➢ 本廉正声明请贵公司复印留底。
PLEASE COPY THIS ANTI-BRIBERY LETTER FOR BACKUP.

➢ 我们在此提醒贵方，我们的检验员与审核员不是最终决定人，最终决定由客人裁决，本报告不授权出货。
WE HEREBY REMIND THAT OUR INSPECTOR IS NOT THE FINAL DECISION MAKER WHO SHOULD BE THE CLIENT. ALSO OUR REPORT DOES NOT GIVE PERMISSION TO RELEASE SHIPMENT.

负责人签字并盖公章：
SIGNATURE AND CHOPPING

日期：2022 年 1 月 11 日
DATE: YY/MM/DD

* 如对我公司检验人员的工作有异议，或需更改报告内容，或联系我公司人员，本公司保证认真处理。
IF YOU HAVE ANY COMPLAINTS TO OUR INSPECTOR, YOU COULD DIRECTLY GIVE TIPS TO YOUR CLIENT. OR PLEASE CONTACT THE BELOW PERSON, WHO WOULD FOLLOW UP IMMEDIATELY WITH SINCERITY:

香港托普国际验货服务有限公司/TOP INTERNATIONAL INSPECTION SERVICE CO., LTD

Note:

1. This report reflects our findings at time and place of inspection.
2. This report does not relieve suppliers from their contractual liabilities or prejudice buyers' right for compensation for any apparent and/or hidden defects not detected during our random inspection or occurring thereafter.
3. This report does not evidence shipment.

END OF THE REPORT