

伸缩杆外杆连接件抗拉强度测试报告

Tensile strength test report for the outer rod connection of the telescopic rod

(Total 6 pages)

单 位：福建安泰新能源科技有限公司

Unit: Antai Technology Co., Ltd

报告编号 Report NO.: AT-TR-23081501

测试日期 Tested Date: 2023/08/14

测试人员： 郭志程

Test engineer

撰 写： 郭志程

Issued by

审 核： 郑静雄

Checked by

★本报告所出示的测试过程及结果，均由实验室工程师按照相关测试标准要求完成执行并确认。The testing process and results are performed according to relevant standard and confirmed by the lab engineer.

测试地址：漳州市长泰区武安镇官山工业区

Testing Address: Zhangzhou Changtai District Wuan Town Guanshan Industrial Zone

E-mail: eason.chen@antaisolar.com

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1 测试样品信息 Testing Information

样品名称 Sample Name	规格 Specification	数量 Quantity	材质 Material
TYN57 伸缩杆 TYN57 Telescope tube	L=150	2	铝 AL6005-T6
TYN57 伸缩杆 TYN57 Telescope tube	L=200	2	铝 AL6005-T6

2 测试目的 Testing target

测试底座连接处的抗压强度。

Testing the compressive strength of the base connection.

3 测试设备及工具 Testing Equipment/ Tools

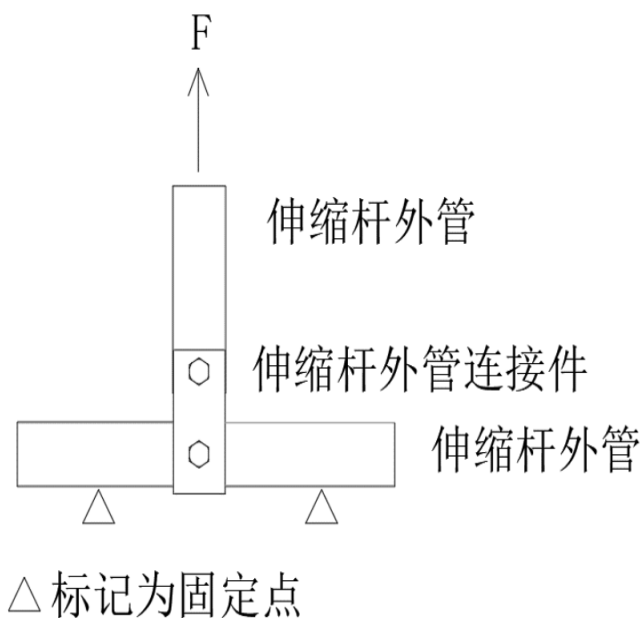
序号 S/N	设备/工具名称 Equipment /Tool	主要技术参数 Main Parameter
1	测试平台 Test Platform	量程 Measuring Range 0~100KN
2	力传感器 Force Sensor	量程 Measuring Range 0~50KN

测试地址：漳州市长泰区武安镇官山工业区

Testing Address: Zhangzhou Changtai District Wuan Town Guanshan Industrial Zone

E-mail: eason.chen@antaisolar.com

4 测试方法 Testing Method



加载力方向图 Loading Force Direction Diagram

加载速率 Sample Name	5mm/min
固定扭力值 Torsion	4~6N*M(M8)

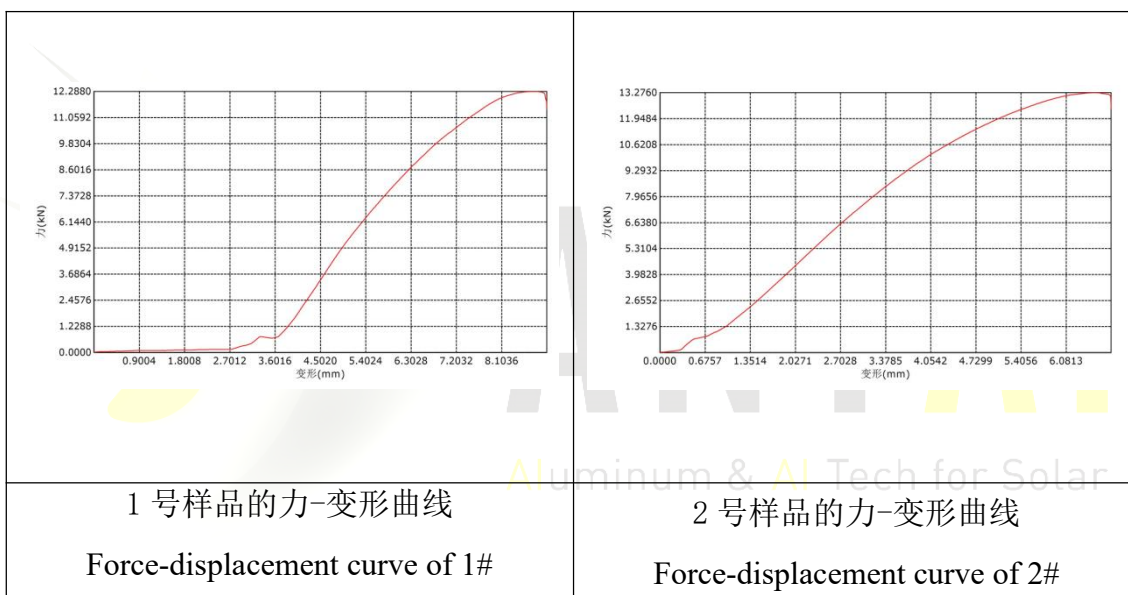
根据以上测试方法与测试要求进行测试，得出实验结果及数据。

The experimental results and data are obtained according to the above test methods and test requirements.

5 测试结果 Test results

1. 抗压测试 Compression Test	
样品序号 Sample SN	最大力值 (千牛) Maximum force (kN)
1	12.3
2	13.3

a) 测试曲线 Test curve:



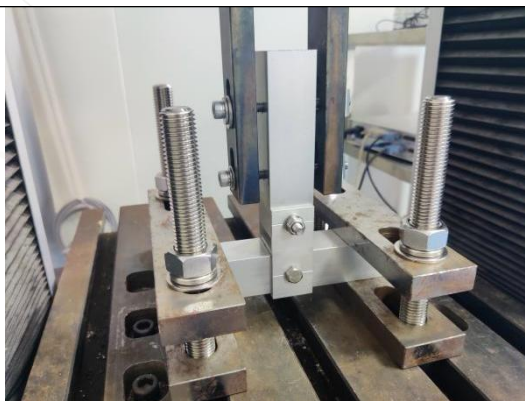
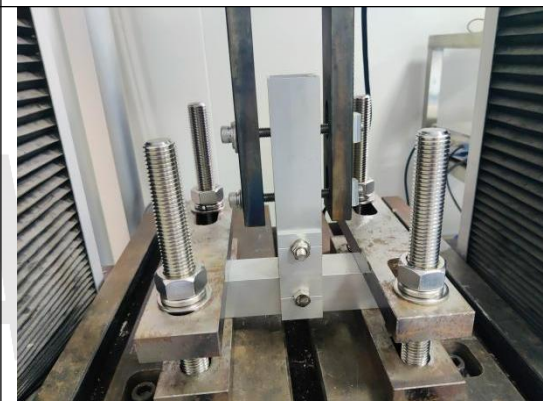




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Testing Address: Zhangzhou Changtai District Wuan Town Guanshan Industrial Zone

E-mail: eason.chen@antaisolar.com

b) 测试照片 Test photo:

	
<p>测试前样品</p> <p>Samples before test</p>	<p>测试中</p> <p>During the test</p>
	
<p>测试中</p> <p>During the test</p>	<p>测试后</p> <p>During the test</p>
	
<p>测试后</p> <p>During the test</p>	<p>测试后的样品</p> <p>Samples after test</p>

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Testing Address: Zhangzhou Changtai District Wuan Town Guanshan Industrial Zone

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伸缩杆内杆连接件抗拉强度测试报告

Tensile strength test report for the connecting parts of the telescopic rod inner rod

(Total 6 pages)

单 位：福建安泰新能源科技有限公司

Unit: Antai Technology Co., Ltd

报告编号 Report NO.: AT-TR-23081504

测试日期 Tested Date: 2023/08/14

测试人员： 郭志程

Test engineer

撰 写： 郭志程

Issued by

审 核： 郑静雄

Checked by

★本报告所出示的测试过程及结果，均由实验室工程师按照相关测试标准要求完成执行并确认。The testing process and results are performed according to relevant standard and confirmed by the lab engineer.

测试地址：漳州市长泰区武安镇官山工业区

Testing Address: Zhangzhou Changtai District Wuan Town Guanshan Industrial Zone

E-mail: eason.chen@antaisolar.com

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b)	测试照片 Test photo:	6



1 测试样品信息 Testing Information

样品名称 Sample Name	规格 Specification	数量 Quantity	材质 Material
TYN58 伸缩杆 TYN58 Telescope tube	L=150	2	铝 AL6005-T6
TYN493 U 型梁 TYN493 U Rail	L=260	2	铝 AL6005-T6

2 测试目的 Testing target

测试底座连接处的抗压强度。

Testing the compressive strength of the base connection.

3 测试设备及工具 Testing Equipment/ Tools

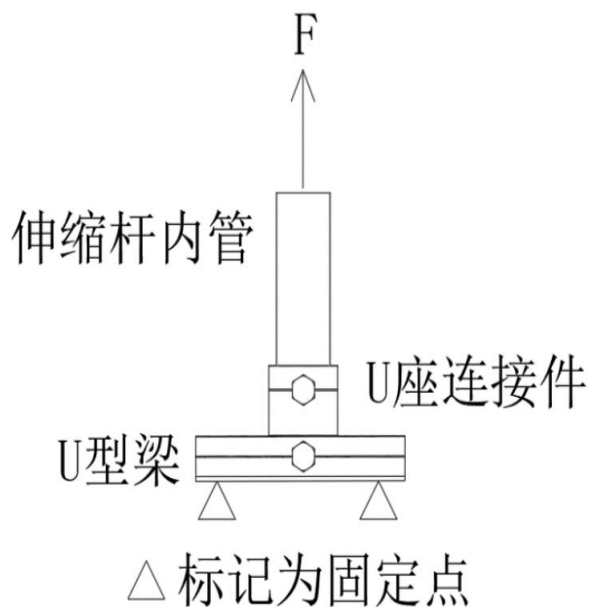
序号 S/N	设备/工具名称 Equipment /Tool	主要技术参数 Main Parameter
1	测试平台 Test Platform	量程 Measuring Range 0~100KN
2	力传感器 Force Sensor	量程 Measuring Range 0~50KN

测试地址：漳州市长泰区武安镇官山工业区

Testing Address: Zhangzhou Changtai District Wuan Town Guanshan Industrial Zone

E-mail: eason.chen@antaisolar.com

4 测试方法 Testing Method



加载力方向图 Loading Force Direction Diagram

加载速率 Sample Name	5mm/min
固定扭力值 Torsion	4~6N*M(M8)

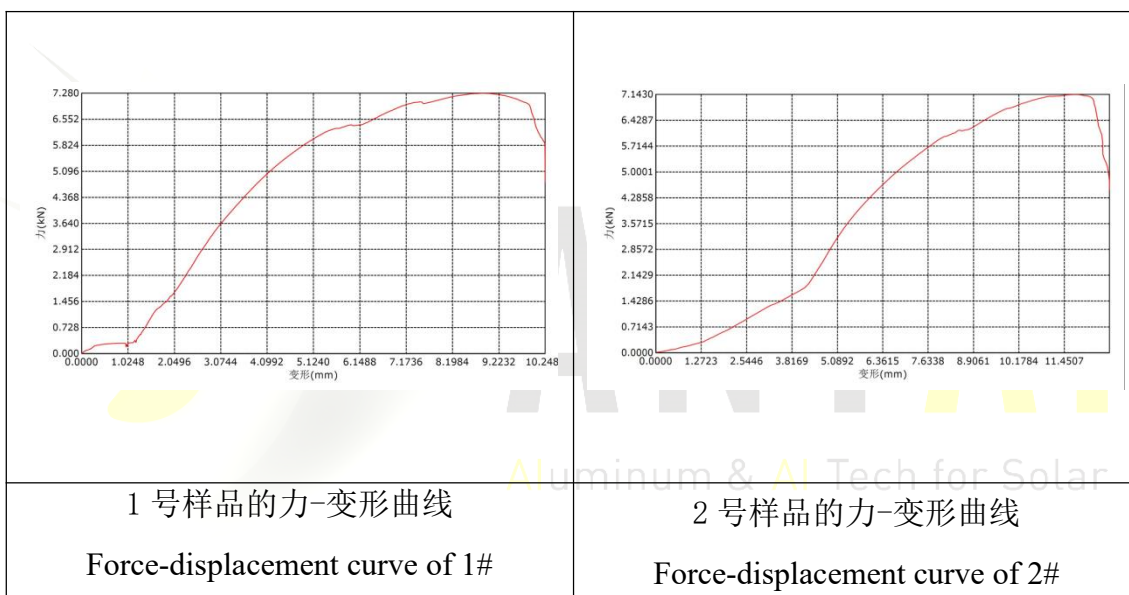
根据以上测试方法与测试要求进行测试，得出实验结果及数据。

The experimental results and data are obtained according to the above test methods and test requirements.

5 测试结果 Test results

1. 抗压测试 Compression Test	
样品序号 Sample SN	最大力值（千牛） Maximum force（kN）
1	7.3
2	7.1

a) 测试曲线 Test curve:


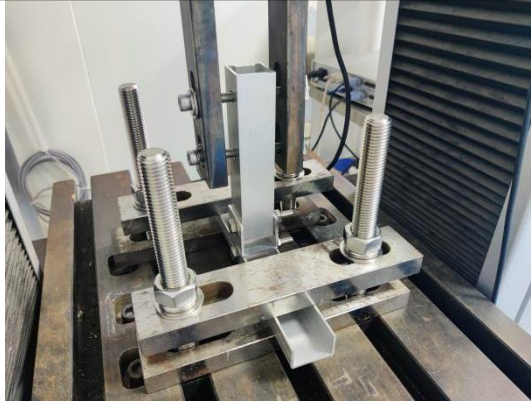






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Testing Address: Zhangzhou Changtai District Wuan Town Guanshan Industrial Zone

E-mail: eason.chen@antaisolar.com

b) 测试照片 Test photo:

	
<p>测试前样品</p> <p>Samples before test</p>	<p>测试中</p> <p>During the test</p>
	
<p>测试中</p> <p>During the test</p>	<p>测试后</p> <p>During the test</p>
	
<p>测试后</p> <p>During the test</p>	<p>测试后的样品</p> <p>Samples after test</p>

测试地址：漳州市长泰区武安镇官山工业区

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SC 型迷你导轨抗压强度测试报告

SC mini guide rail compressive strength test report

(Total 6 pages)

单位：福建安泰新能源科技有限公司

Unit: Antai Technology Co., Ltd

报告编号 Report NO.: AT-TR-23081502

测试日期 Tested Date: 2023/08/14

测试人员：郭志程

Test engineer

撰写：郭志程

Issued by

审核：郑静雄

Checked by

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测试地址：漳州市长泰区武安镇官山工业区

Testing Address: Zhangzhou Changtai District Wuan Town Guanshan Industrial Zone

E-mail: eason.chen@antaisolar.com

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b)	测试照片 Test photo:	6



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1 测试样品信息 Testing Information

样品名称 Sample Name	规格 Specification	数量 Quantity	材质 Material
SC 型迷你导轨 ATL-DZ006 Base	L=300	2	铝 AL6005-T6

2 测试目的 Testing target

测试底座连接处的抗压强度。

Testing the compressive strength of the base connection.

3 测试设备及工具 Testing Equipment/ Tools

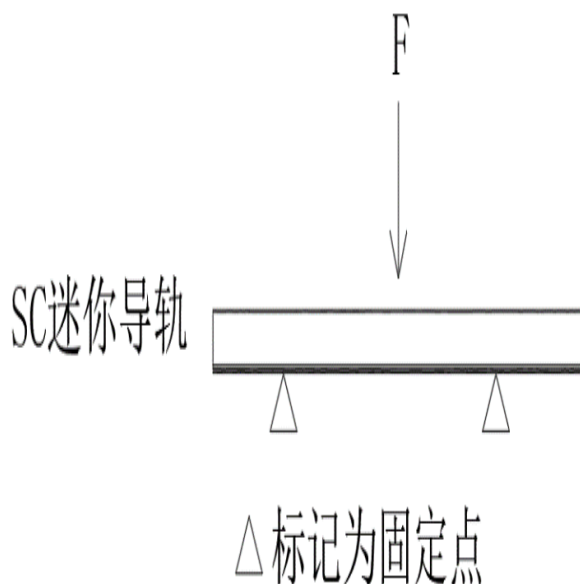
序号 S/N	设备/工具名称 Equipment /Tool	主要技术参数 Main Parameter
1	测试平台 Test Platform	量程 Measuring Range 0~100KN
2	力传感器 Force Sensor	量程 Measuring Range 0~50KN

测试地址：漳州市长泰区武安镇官山工业区

Testing Address: Zhangzhou Changtai District Wuan Town Guanshan Industrial Zone

E-mail: eason.chen@antaisolar.com

4 测试方法 Testing Method



加载力方向图 Loading Force Direction Diagram

加载速率 Sample Name	5mm/min
固定扭力值 Torsion	10~12N*M(M8)
固定扭力值 Torsion	10~12N*M(M8)

根据以上测试方法与测试要求进行测试，得出实验结果及数据。

The experimental results and data are obtained according to the above test methods and test requirements.

测试地址：漳州市长泰区武安镇官山工业区

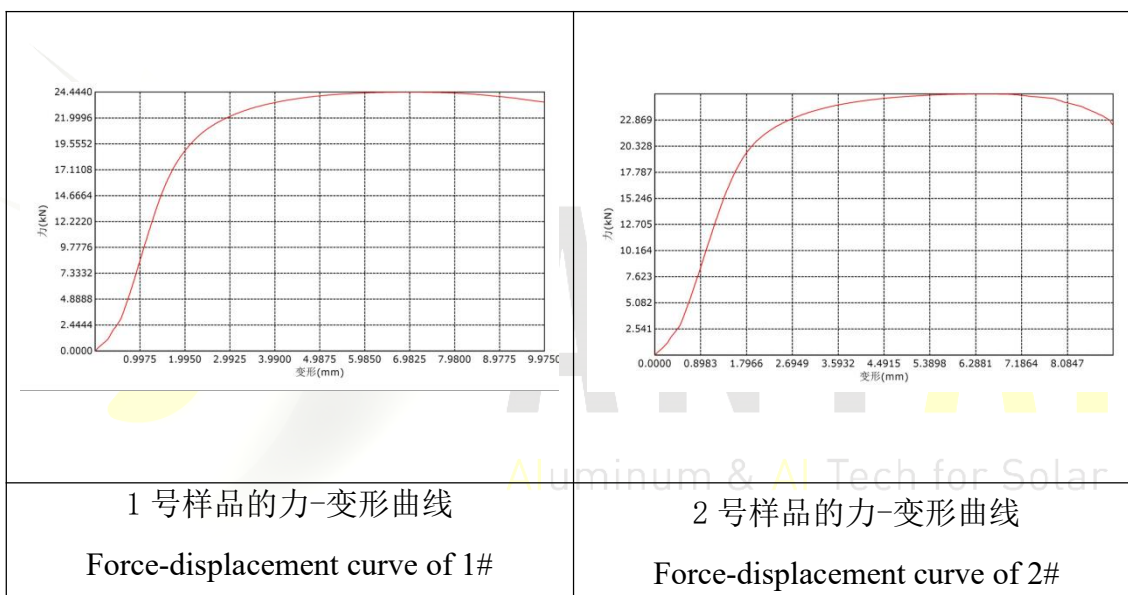
Testing Address: Zhangzhou Changtai District Wuan Town Guanshan Industrial Zone

E-mail: eason.chen@antaisolar.com

5 测试结果 Test results

1. 抗压测试 Compression Test	
样品序号 Sample SN	最大力值 (千牛) Maximum force (kN)
1	24.4
2	25.4

a) 测试曲线 Test curve:









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b) 测试照片 Test photo:

	
测试前样品 Samples before test	测试中 During the test
	
测试中 During the test	测试后 During the test
	
测试后 During the test	测试后的样品 Samples after test

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测试地址：漳州市长泰区武安镇官山工业区

Testing Address: Zhangzhou Changtai District Wuan Town Guanshan Industrial Zone

E-mail: eason.chen@antaisolar.com

SC 型迷你导轨抗拉强度测试报告

SC Mini Guide Rail Tensile Strength Test Report

(Total 6 pages)

单位：福建安泰新能源科技有限公司

Unit: Antai Technology Co., Ltd

报告编号 Report NO.: AT-TR-23081503

测试日期 Tested Date: 2023/08/14

测试人员：郭志程

Test engineer

撰写：郭志程

Issued by

审核：郑静雄

Checked by

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1 测试样品信息 Testing Information

样品名称 Sample Name	规格 Specification	数量 Quantity	材质 Material
SC 型迷你导轨 ATL-DZ006 Base	L=300	2	铝 AL6005-T6

2 测试目的 Testing target

测试底座连接处的抗压强度。

Testing the compressive strength of the base connection.

3 测试设备及工具 Testing Equipment/ Tools

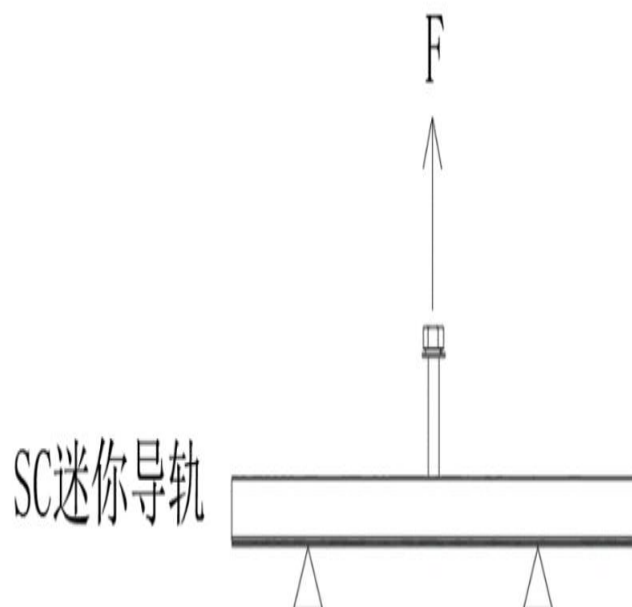
序号 S/N	设备/工具名称 Equipment /Tool	主要技术参数 Main Parameter
1	测试平台 Test Platform	量程 Measuring Range 0~100KN
2	力传感器 Force Sensor	量程 Measuring Range 0~50KN

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Testing Address: Zhangzhou Changtai District Wuan Town Guanshan Industrial Zone

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4 测试方法 Testing Method



△ 标记为固定点

加载力方向图 Loading Force Direction Diagram

加载速率 Sample Name	5mm/min
固定扭力值 Torsion	4~6N*M(M8)

根据以上测试方法与测试要求进行测试，得出实验结果及数据。

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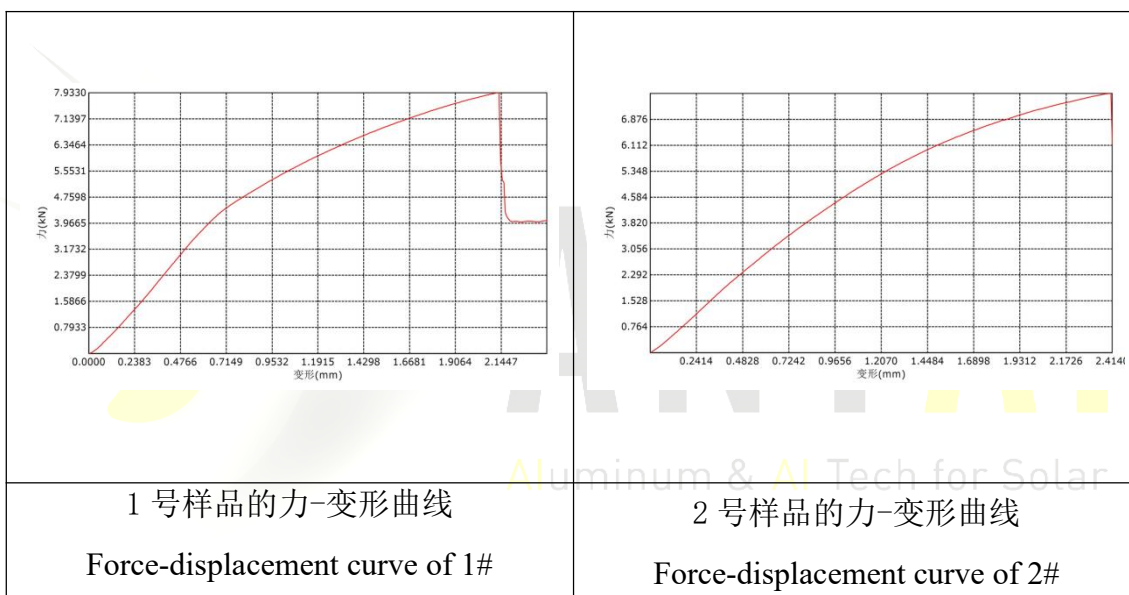
Testing Address: Zhangzhou Changtai District Wuan Town Guanshan Industrial Zone

E-mail: eason.chen@antaisolar.com

5 测试结果 Test results

1. 抗压测试 Compression Test	
样品序号 Sample SN	最大力值 (千牛) Maximum force (kN)
1	7.9
2	7.6

a) 测试曲线 Test curve:









测试地址：漳州市长泰区武安镇官山工业区

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E-mail: eason.chen@antaisolar.com

b) 测试照片 Test photo:

	
<p>测试前样品</p> <p>Samples before test</p>	<p>测试中</p> <p>During the test</p>
	
<p>测试中</p> <p>During the test</p>	<p>测试后</p> <p>During the test</p>
	
<p>测试后</p> <p>During the test</p>	<p>测试后的样品</p> <p>Samples after test</p>

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