

匹配测试报告 Compatible Testing Report

测试日期 test date:20220428

测试标准 standard test: IEC62852

测试地 test site: LEADER Lab

测试产品 test product:

光伏连接器 Photovoltaic connector

产品型号 Product model: LEADER

防护等级 Protection class:

IP68

额定电压 Rated voltage(V): 1500V

温度范围 temperature range :

-40℃ to +85℃

额定电流 Rated current(A): /

IPX8 测试 IPX8 test

测试方法 testing method:依据标准 According to the standard IEC62852

测试人 Tester: 胡慧芳

日期 date : 2022.4.29

审核 audit: Jason 乐俊

信息记录 information record:

1、 样品生产日期 Sample production date: 20220428

连接器 Connector List :

1.1 LEADER PV Connector ;

1.2 Staubli MC4;

1.3 Staubli EVO2;

1.4 Trina TS4;

1.5 Canadian Solar T4;

1.6 Jinko JK03M

2、 测试项目 Test List

2.1 IP68 (1m,1h) Water Proof Compatible Test IP68 防水匹配测试

2.2 Resistance Compatible Test 电阻匹配测试

2.3 Mechanical Match Compatible Test 机械对插匹配测试

3. 测试结果 Test Results

3.1 IP68 Water Proof Compatible Test 防水匹配测试

结论 conclusion: Pass

IP68 Water Proof Compatible Test 防水匹配测试

Compatible Test	Leader Female	Staubli MC4 Female	Staubli EVO2 Female	Trina TS4 Female	CSI T4 Female	JinkoJK03M Female
Leader Male	Pass	Pass	Pass	Pass	Pass	Pass
StaubliMC4 Male	Pass	-				
Staubli EVO2 Male	Pass		-			
Trina TS4 Male	Pass			-		
CSI T4 Male	Pass				-	
JinkoJK03M Male	Pass					-

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3.2 Resistance Compatible Test 电阻匹配测试

 结论 conclusion: **Pass**
Resistance Compatible Test 电阻匹配测试

Compatible Test / mΩ	Leader Female	Staubli MC4 Female	Staubli EVO2 Female	Trina TS4 Female	CSI T4 Female	JinkoJK03M Female
Leader Male	0.12	0.10	0.10	0.13	0.13	0.12
StaubliMC4 Male	0.10	-				
Staubli EVO2 Male	0.10		-			
Trina TS4 Male	0.11			-		
CSI T4 Male	0.11				-	
JinkoJK03M Male	0.12					-

3.3 Mechanical Match Compatible Test

机械结构匹配测试

 结论 conclusion: **Pass**
Resistance Compatible Test 电阻匹配测试

Compatible Test	Leader Female	Staubli MC4 Female	Staubli EVO2 Female	Trina TS4 Female	CSI T4 Female	JinkoJK03M Female
Leader Male	Pass	Pass	Pass	Pass	Pass	Pass
StaubliMC4 Male	Pass	-				
Staubli EVO2 Male	Pass		-			
Trina TS4 Male	Pass			-		
CSI T4 Male	Pass				-	
JinkoJK03M Male	Pass					-

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4 Test Process 匹配测试步骤

4.1 IP68 Water Proof Compatible Test Process 防水匹配测试步骤

1. 使用浸水试验装置（深度 1M，1h），通过绝缘电阻测试仪（ $\geq 400M\Omega$ ）测试后，检验产品内腔是否进水；

Use the immersion test device (1m, 1h), through the insulation resistance test ($\geq 400M\Omega$), OK, check whether the product cavity water;



IPX7 测试 IPX7 test:



PIC 1

LEADER PV M & Trina TS4 F



PIC 2

LEADER PV F & Trina TS4 M

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PIC 3
LEADER PV M & CSI T4 F



PIC 4
LEADER PV F & CSI T4 M



图片 5
LEADER PV M & MC4 F



图片 6
LEADERPV F & MC4 M

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图片 7
LEADERPV M & JINKO F



图片 8
LEADER F & JINKO M



图片 9
LEADER M & EVO2 F



图片 10
LEADER F & EVO2 M

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4.2 Resistance Compatible Test 电阻匹配测试



图片 1
LEADER PV 插套 & 插针
LEADER PV socket & pin



图片 2
LEADER 插针 & 插套
LEADER PV pin & socket



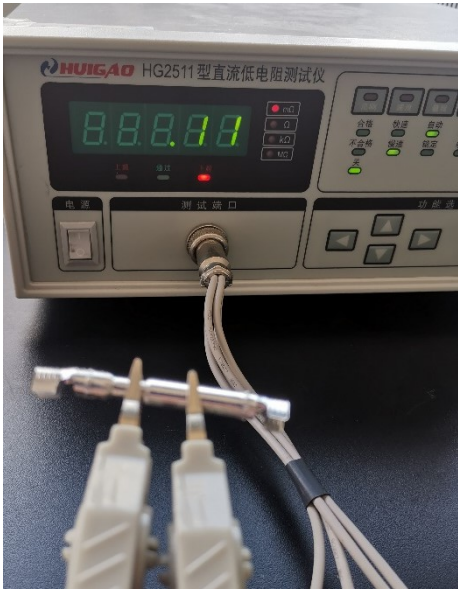
图片 1
LEADER 插套 & TS4 插针
LEADER socket & TS4 pin



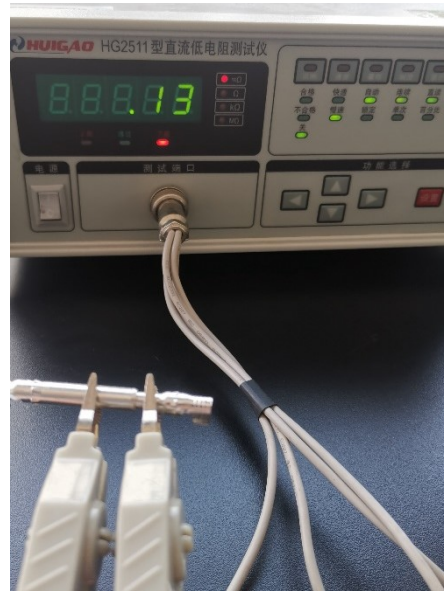
图片 2
LEADER 插针 & TS4 插套
LEADER pin & TS4 socket

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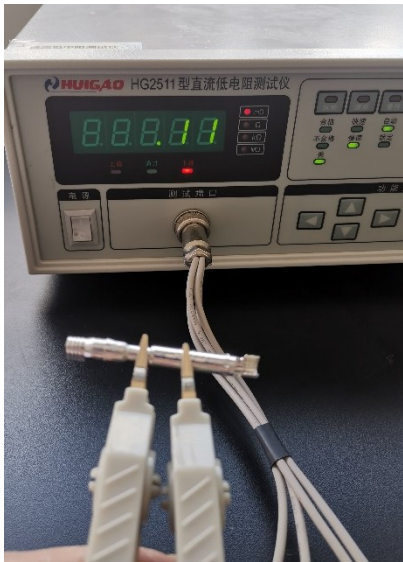
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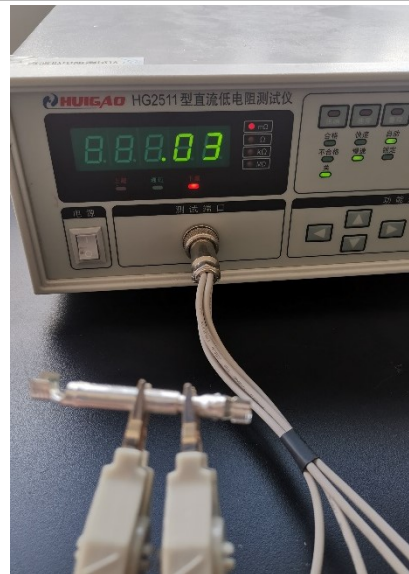
图片 3
LEADER 插套 & T4 插针
LEADER socket & T4 pin



图片 4
LEADER 插针 & T4 插套
LEADER pin & T4 socket



图片 5
LEADER 插套 & MC4 插针
LEADER socket & MC4 pin



图片 6
LEADER 插针 & MC4 插套
LEADER pin & MC4 socket

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图片 7

LEADER 插套 & JINKO 插针
LEADER socket & JINKO pin



图片 8

LEADER 插针 & JINKO 插套
LEADER pin & JINKO socket



图片 9

LEADER 插套 & EVO2 插针
LEADER socket & EVO2 pin



图片 10

LEADER 插针 & EVO2 插套
LEADER pin & EVO2 socket

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4.3 Mechanical Match Compatible Test

机械结构匹配测试



图片 1
LEADER M & TS4 F



图片 2
LEADER F & TS4 M



图片 3
LEADER M & T4 F



图片 4
LEADER F & T4 M



图片 5
LEADER M & MC4 F



图片 6
LEADER F & MC4 M

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图片 7
LEADER M & JINKO F



图片 8
LEADER F & JINKO M



图片 9
LEADER M & EVO2 F



图片 10
LEADER F & EVO2 M

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