

宁波世和新能源科技股份有限公司

太阳能链接系统配件专业定制

强势品牌

优良品质

Http: //www.shihepv.com

世和新能源-----光伏产业创新的领导者



世和新能源——光伏产业创新的领导者

宁波世和新能源科技股份有限公司是一家专业从事太阳能光伏组件接线盒、连接器、电缆线及周边产品研发、生产、销售和服务的国家级高新技术企业。公司成立于2008年，占地面积20000平方米，厂房面积28000平方米。公司现有员工280名左右，以及各类先进设备400余台，目前日生产能力已达到2-4万套。公司产品有太阳能电池组件接线盒、连接器、线缆等，产品广泛应用到太阳能光伏等领域。产品凭着稳定的质量已远销国内外。产品通过 UL TUV IEC CSA Rohs 等国际认证，企业还通过ISO9001、ISO14001、OHSAS18001管理体系认证。现已形成完整的光伏接线盒垂直产业链，

世和新能源--秉承“客户满意就是SHIHETEC永恒追求”的理念，并遵循“顾客满意第一”的宗旨，不断提高客户服务的质量。力求让所有购买SHIHETEC产品的顾客满意。

我们的科技理念：争做一流；

我们的品牌理念：追求卓越；

我们的市场理念：勇于超前；

我们的生产宗旨：以诚待人，让利于人，使人放心。

Certificate of Compliance

Certificate Number 20110805-E344739
 Report Reference E344739-2011-08-02
 Issue Date 2011-08-05

Page 1 of 1



Issued to: NINGBO SHIHE NEW ENERGY TECHNOLOGY CO LTD
 RONGYU HAMLET XINPU TOWN CIXI ZHEJIANG 315322 CHINA

This is to certify that representative samples of

CONNECTORS FOR USE IN PHOTOVOLTAIC SYSTEMS


Cat. No.	Electrical Rating
Photovoltaic wiring-system connector	
DJ2011-4ab	600 V dc, 25 A max with 12 AWG PV cable

Have been investigated by Underwriters Laboratories in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: Standard for Marking and Labeling Systems, UL 969. Ordinary usage, handling, storage, and the like of the unit shall be considered in determining whether a marking is permanent.

Additional Information: See UL On-line Certification Directory at www.ul.com for additional information.

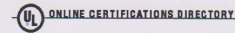
Only those products bearing the UL Recognized Component Mark should be considered as being covered by UL's Recognition and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark  may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

Look for the UL Recognized Component Mark on the product

William F. Carney
 Director, North American Certification Programs

Underwriters Laboratories Inc.
 Any information and documentation involving UL Mark services are provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL.
 For questions, please contact a local UL Customer Service Representative at <http://www.ul.com/edcl/contactus/contacts/contacts>



Q102.E344113

Distributed Generation Power Systems Accessory Equipment - Component
 Page Bottom

Distributed Generation Power Systems Accessory Equipment - Component

See General Information for Distributed Generation Power Systems Accessory Equipment - Component


NINGBO SHIHE NEW ENERGY TECHNOLOGY CO LTD
 RONGYU HAMLET
 XINPU TOWN
 CIXI, ZHEJIANG 315322 CHINA

E344113

Device	Cat. No.	Electrical Rating
Photovoltaic junction boxes	PV-0801A-abfde, where, "a" can be "T" or "S", "b" can be "J", "Q" or "H", "d" can be "L" or "M", "e" can be "Y" or "N"	600 V dc, 10 A max with 12 AWG PV wire
	PV-0801A-abGde, where, "a" can be "T" or "S", "b" can be "J", "Q" or "H", "d" can be "L" or "M", "e" can be "Y" or "N"	600 V dc, 15 A max with 12 AWG PV wire

Conditions of Acceptability: In order to be judged acceptable as a component of electrical equipment, the following conditions should be met:

- The suitability of the mounting means to the substrate of the end-product module shall be determined in the end use.
- The UL 1703 Temperature, and Humidity Cycling test sequences shall be conducted in the end use equipment.
- These components have not been assessed for a maximum series fuse amp rating; The maximum series fuse amp rating should be assessed in the end product.
- These devices should be used only where they will not interrupt current. In addition, the need to include specific instructions in the end use equipment's manual describing the method of achieving disconnect while not under load should be considered.
- No tests have been conducted on the diode. All appropriate testing, such as but not limited to the Temperature test, is to be conducted when installed in the end product.
- Temperature limits of components: 105°C for enclosure base and cover, 105°C for cover gasket and sealing ring.
- The junction box material has been verified to be suitable for outdoor use.

Marking: Company name, catalog designation and the Recognized Component Mark  on the device or carton.
 Last Updated on 2011-06-23

Questions? [Print this page](#) [Notice of Disclaimer](#) [Page Top](#)

Copyright 2011 Underwriters Laboratories Inc.®

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Listed and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Design and/or Listings (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings); 2. The statement "Reprinted from the Online Certifications Directory with permission from Underwriters Laboratories Inc." must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "Copyright © 2011 Underwriters Laboratories Inc.®"

An independent organization working for a safer world with integrity, precision and knowledge.



TUV证书

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT



Product Service

CERTIFICATE

No. B 090781 0013 Rev. 00

Holder of Certificate: Ningbo Shihe
New Energy Technology Co., Ltd.
Rongyu Hamlet
Xinpu Town
315322 Cixi City, Zhejiang
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: Electric Cables
Electric cables for photovoltaic systems
with a voltage rating of 1.5 kV DC

Model(s): 62930 IEC 131 1x4mm²

Parameters:
Rated Voltage: DC 1.5 kV (between conductors and
between conductor and earth)
AC UOU: 1.01.0 kV
Application Class: A
Protection Class: II
Ambient Temperature: -40°C~+90°C
Max. Temperature
at conductor: 120°C

Tested according to: IEC 62930(ed.1)

The product was tested on a voluntary basis and complies with the essential requirements.
The certification mark shown above can be affixed on the product. It is not permitted to alter the
certification mark in any way. In addition, the certification holder must not transfer the certificate
to third parties. This certificate is valid until the listed date, unless it is cancelled earlier.
All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to
be compiled. For details see: www.tuvsud.com/ps-cert

Test report no.: 704072131901-00
Valid until: 2027-01-08

Date, 2022-01-07

(Yaqun Alex Liu)



Product Service

CERTIFICATE

No. B 090781 0008 Rev. 01

Holder of Certificate: Ningbo Shihe
New Energy Technology Co., Ltd.
Rongyu Hamlet
Xinpu Town
315322 Cixi City, Zhejiang
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: Connector
Connectors for Photovoltaic Systems

Model(s): DJ2011-4X(Xwa or b)

Parameters:

Rated Voltage:	1500VDC
Rated Current:	45A
Application Class:	A
Protection Class:	II
Degree of Protection:	IP65/IP68 (1m, 1h)
Ambient Temperature:	-40°C~ + 85°C

Tested according to: IEC 62852:2014
IEC 62852:2014/MAMD1:2020
EN 62852:2015/A1:2020

The product was tested on a voluntary basis and complies with the essential requirements.
The certification mark shown above can be affixed on the product. It is not permitted to alter the
certification mark in any way. In addition, the certification holder must not transfer the certificate
to third parties. This certificate is valid until the listed date, unless it is cancelled earlier.
All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to
be compiled. For details see: www.tuvsud.com/ps-cert

Test report no.: 704071826003-01
Valid until: 2026-07-11

Date, 2021-07-12

(Yaqun Alex Liu)

ISO证书



产品名称: **DJ2011-4X**

订货号: **DJ2011-4X-A-1**

DJ2011-4X-A-2



主要技术规格

1.绝缘材料: PC or PV40Zor PA66

2.接触材料: 紫铜镀锡

3.绝缘电阻: $\leq 0.5\text{m}\Omega$

4.系统电压: 1000V-1500V

5.额定电流: 45A

6.抗拉力: 100N

7.温度: $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$

8.线缆范围: $2.5\text{mm}^2\text{--}4\text{mm}^2\text{--}6\text{mm}^2$

9.保护等级: IP68

10.安全等级: ClassII

11.阻燃等级: UL94-V0

12.执行标准: IEC62852:2014 IEC62852:2014/AMD1:2020

产品名称: **DJ2011-4X**

订货号: **DJ2011-4X-B-1**

DJ2011-4X-B-2



主要技术规格

1.绝缘材料: PC or PV40Zor PA66

2.接触材料: 紫铜镀锡

3.绝缘电阻: $\leq 0.5\text{m}\Omega$

4.系统电压: 1000V-1500V

5.额定电流: 45A

6.抗拉力: 100N

7.温度: $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$

8.线缆范围: $2.5\text{mm}^2\text{--}4\text{mm}^2\text{--}6\text{mm}^2$

9.保护等级: IP68

10.安全等级: ClassII

11.阻燃等级: UL94-V0

12.执行标准: IEC62852:2014 IEC62852:2014/AMD1:2020

产品名称: **DJ2011-4X**

订货号: **DJ2011-4X-C-1**

DJ2011-4X-C-2



主要技术规格

1.绝缘材料: PC or PV40Z or PA66

2.接触材料: 紫铜镀锡

3.绝缘电阻: $\leq 0.5\text{m}\Omega$

4.系统电压: 1000V-1500V

5.额定电流: 45A

6.抗拉力: 100N

7.温度: $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$

8.线缆范围: $2.5\text{mm}^2\text{--}4\text{mm}^2\text{--}6\text{mm}^2$

9.保护等级: IP68

10.安全等级: ClassII

11.阻燃等级: UL94-V0

12.执行标准: IEC62852:2014 IEC62852:2014/AMD1:2020

产品名称: **DJ2011-4X**

订货号: **DJ2011-4X-3-1**

DJ2011-4X-3-2



主要技术规格

1.绝缘材料: PC or PV40Z

2.接触材料: 铜镀锡

3.绝缘电阻: $\leq 2.5\text{m}\Omega$

4.系统电压: 1000V-1500V

5.额定电流: 45A

6.抗拉力: 100N

7.温度: $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$

8.线缆范围: $4\text{mm}^2\text{-}6\text{mm}^2$

9.保护等级: IP68

10.安全等级: ClassII

11.阻燃等级: UL94-V0

12.执行标准: IEC62852:2014

产品名称: **DJ2011-4X**

订货号: **DJ2011-4X-4-1**

DJ2011-4X-4-2



主要技术规格

1.绝缘材料: PC or PV40Z

2.接触材料: 铜镀锡

3.绝缘电阻: $\leq 2.5\text{m}\Omega$

4.系统电压: 1000V-1500V

5.额定电流: 45A

6.抗拉力: 100N

7.温度: $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$

8.线缆范围: 4mm^2

9.保护等级: IP68

10.安全等级: ClassII

11.阻燃等级: UL94-V0

12.执行标准: IEC62852:2014



产品名称: **DJ2011-4X**

订货号: **DJ2011-4X-5-1**

DJ2011-4X-5-2

主要技术规格

1.绝缘材料: **PC or PV40Z**

2.接触材料: **铜镀锡**

3.绝缘电阻: **≤3.5mΩ**

4.系统电压: **1000V-1500V**

5.额定电流: **25A or 45A**

6.抗拉力: **100N**

7.温度: **-40°C~+85°C**

8.线缆范围: **2.5mm²-4mm²**

9.保护等级: **IP68**

10.安全等级: **ClassII**

11.阻燃等级: **UL94-V0**

12.执行标准: **IEC62852:2014**

产品名称: **DJ2011-4X**

订货号: **DJ2011-4X-6-1**

DJ2011-4X-6-2



主要技术规格

1.绝缘材料: PC or PV40Z

2.接触材料: 铜镀锡

3.绝缘电阻: $\leq 4\text{m}\Omega$

4.系统电压: 1000V-1500V

5.额定电流: 45A

6.抗拉力: 100N

7.温度: $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$

8.线缆范围: $4\text{mm}^2\text{--}6\text{mm}^2$

9.保护等级: IP68

10.安全等级: ClassII

11.阻燃等级: UL94-V0

12.执行标准: IEC62852:2014



产品名称：**DJ2011-4X**

订货号：**DJ2011-4X-F**

主要技术规格

1.绝缘材料：PC or PV40Z	7.温 度：-40℃~+85℃
2.接触材料：铜镀锡	8.线缆范围：2.5mm ² -4mm ² （可定制）
3.绝缘电阻：≤0.5mΩ	9.保护等级：IP68
4.系统电压：1000V-1500V	10.安全等级：ClassII
5.额定电流：45A	11.阻燃等级：UL94-V0
6.抗 拉 力：100N	12.执行标准：IEC62852:2014

MC4 PV anti reverse extension cable

产品名称: DJ2011-4X

订货号: DJ2011-4X-E



主要技术规格

1.绝缘材料: PE	7.温 度: -40°C~+85°C
2.接触材料: 紫铜镀锡	8.线缆范围: 2.5mm ² -4mm ²
3.绝缘电阻: ≤0.5mΩ	9.保护等级: IP68
4.系统电压: 1000V-1500V	10.安全等级: ClassII
5.额定电流: 10A	11.阻燃等级: UL94-V0
6.抗 拉 力: 100N	12.防反冲二极管: 10A10

产品名称: **DJ2011-4X**

订货号: **DJ2011-4X-T3-1**

DJ2011-4X-T3-2



主要技术规格

1.绝缘材料: PC or PV40Z

2.接触材料: 紫铜镀锡

3.绝缘电阻: $\leq 1\text{m}\Omega$

4.系统电压: 1000V-1500V

5.额定电流: 45A

6.抗拉力: 100N

7.温度: $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$

8.保护等级: IP67

9.安全等级: ClassII

10.阻燃等级: UL94-V0(PPO)

11.执行标准: 2PfG 1169/08.07



产品名称: **DJ2011-4X**

订货号: **DJ2011-4X-T4-1**

DJ2011-4X-T4-2

主要技术规格

1.绝缘材料: **PC or PV40Z**

2.接触材料: **紫铜镀锡**

3.绝缘电阻: **≤1.5mΩ**

4.系统电压: **1000V-1500V**

5.额定电流: **45A**

6.抗拉力: **100N**

7.温度: **-40°C~+85°C**

8.保护等级: **IP67**

9.安全等级: **ClassII**

10.阻燃等级: **UL94-V0(PPO)**

11.执行标准: **2PfG 1169/08.07**



产品名称: **DJ2011-4X**

订货号: **DJ2011-4X-T5-1**

DJ2011-4X-T5-2

主要技术规格

1.绝缘材料: **PC or PV40Z**

2.接触材料: **紫铜镀锡**

3.绝缘电阻: **≤1.8mΩ**

4.系统电压: **1000V-1500V**

5.额定电流: **45A**

6.抗拉力: **100N**

7.温度: **-40°C~+85°C**

8.保护等级: **IP67**

9.安全等级: **ClassII**

10.阻燃等级: **UL94-V0(PPO)**

11.执行标准: **2PfG 1169/08.07**

产品名称: **DJ2011-4X**

订货号: **DJ2011-4X-T6-1**

DJ2011-4X-T6-2



主要技术规格

1.绝缘材料: PC or PV40Z

2.接触材料: 紫铜镀锡

3.绝缘电阻: $\leq 2\text{m}\Omega$

4.系统电压: 1000V-1500V

5.额定电流: 45A

6.抗拉力: 100N

7.温度: $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$

8.保护等级: IP67

9.安全等级: ClassII

10.阻燃等级: 5VA

11.执行标准: 2PfG 1169/08.07

产品名称: **DJ2011-4X**

订货号: **DJ2011-4X-T7-1**

DJ2011-4X-T7-2



主要技术规格

1.绝缘材料: **PC or PV40Z**

2.接触材料: **紫铜镀锡**

3.绝缘电阻: **≤2mΩ**

4.系统电压: **1000V-1500V**

5.额定电流: **45A**

6.抗拉力: **100N**

7.温度: **-40°C~+85°C**

8.保护等级: **IP67**

9.安全等级: **ClassII**

10.阻燃等级: **5VA**

11.执行标准: **2PfG 1169/08.07**

太阳能电池线缆连接器

订货号: **PV-BVK4**

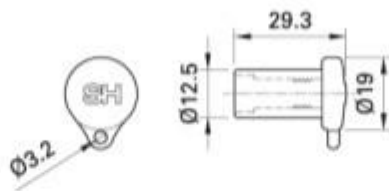
PV-SVK4

专利申请号

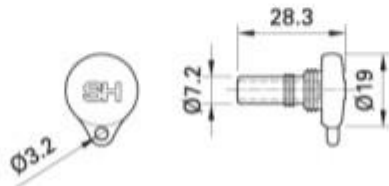
200930196468.2

200920167449.1

PV-BVK4



PV-SVK4



产品优点

- 1、采用柔式结构，可以任意组合护套的位置和数量，便于安装、拆卸和更换。
- 2、护套中采用双层密封圈，防水效果更佳。

主要特性

采用标准模块设计，可任意组合

主要技术规格

- 1.防水等级: IP68
- 2.安全等级: ClassII
- 3.温度范围: -40°C ~85°C

太阳能电池线缆连接器扳手

订货号: **PV-BS**

专利申请号

200930196468.2

200920167449.1

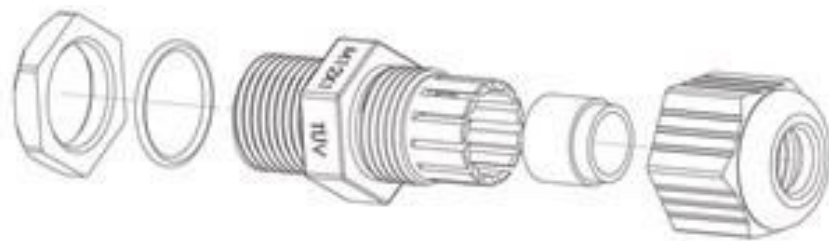


产品优点

- 1、采用硬式结构，可以任意组合解锁护套的位置和数量便于维修和更换。
- 2、采用标准模块设计，可任意组合

防水接头

M12×1



主要特性

防水接头使用于接线盒与线缆连接锁紧，使线缆与接线盒连接处不渗水

主要技术规格

1. 安装扭矩：2Mn
2. 防水等级：IP65
3. 安全等级：ClassII
4. 温度范围：-40°C ~+85°C

太阳能电池线缆连接线

Solar Cables



型号 / Type	订货号 / Order Number
PV-2.5mm ² /14AWG	SH2.5
PV-4.0mm ² /12AWG	SH4.0
PV-6.0mm ² /10AWG	SH6.0

您的满意是我们永恒的追求

宁波世和新能源科技股份有限公司

地 址： 浙江省慈溪市新浦镇西工业区

销售部： **+86-574-58973185**

传 真： **+86-574-58973184**

联系人： 孙春波

手 机： **13805858483**

邮 编： **315322**

E-mail: shihetec@126.com

[Http://www.shihepv.com](http://www.shihepv.com)