

Solreach Co., Ltd. is a high-tech enterprise specializing in the R & D, production and sales of photovoltaic junction box, connector and electronic plastic products. It has a professional design and development team and a mature production management team. It has obtained a number of product invention, appearance, structure and other design patents, and has fully passed the ISO9001, ISO14001, ISO45001 system certification, Products have also obtained TUV, UL, ETL, DEKRA certification to meet the needs of different customers and markets.

The company now has a professional automatic production line and domestic first-class testing and experimental equipment to provide quality assurance for the whole process of products, ensuring that the daily production can reach more than 100000 sets.

# **Certifications**





# 管理体系认证证书

兹证明

# 泰州创达电子有限公司

统一社会信用代码: 91321202086945514D

注册地址: 泰州市高港区刁铺街道丰岸路民营工业园标准化厂房区N10-03号

经营/生产地址: 江苏省泰州市高港区民营工业园S7幢

质量管理体系符合

GB/T 19001-2016 / ISO 9001:2015

本证书覆盖范围

光伏产品(接线盒、连接器)的加工

初次认证日期: 2021年05月19日

本次发证日期: 2021年12月29日

有 效 期: 2021年05月19日至2024年05月18日

证 书 号: U919121Q30793R0M









获证组织在证书有效期内须每年至少接受一次监督审核,并与管理体系认证监督结论通知书一并使用方为有效注:管理体系认证审核报告和监督结论通知书在航星认证客户关系管理系统(网址:vip. hxqc. cn)上获取本证书信息可在国家认证认可监督管理委员会官方网站(www. cnca. gov. cn)和www. hxqc. cn上查询



# 北京大陆航星质量认证中心股份有限公司

地址:北京市海淀区玉泉路甲12号七层



# 管理体系认证证书

兹证明

# 泰州创达电子有限公司

统一社会信用代码: 91321202086945514D

注册地址:泰州市高港区刁铺街道丰岸路民营工业园标准化厂房区N10-03号经营/生产地址:江苏省泰州市高港区民营工业园S7幢

环境管理体系符合

GB/T 24001-2016 / ISO 14001:2015

本证书覆盖范围

光伏产品 (接线盒、连接器) 的加工

初次认证日期: 2022年02月10日

本次发证日期: 2022年02月10日

有 效 期: 2022年02月10日至2025年02月09日

证 书 号: U919122E30085R0M









获证组织在证书有效期内须每年至少接受一次监督审核,并与管理体系认证监督结论通知书一并使用方为有效 注:管理体系认证审核报告和监督结论通知书在航星认证客户关系管理系统(网址:vip. hxqc. cn)上获取 本证书信息可在国家认证认可监督管理委员会官方网站(www. cnca. gov. cn)和www. hxqc. cn上查询



地址:北京市海淀区玉泉路甲12号七层





# 管理体系认证证书

兹证明

# 泰州创达电子有限公司

统一社会信用代码: 91321202086945514D

注册地址:泰州市高港区刁铺街道丰岸路民营工业园标准化厂房区N10-03号经营/生产地址:江苏省泰州市高港区民营工业园S7幢

职业健康安全管理体系符合

GB/T 45001-2020 / ISO 45001:2018

本证书覆盖范围

光伏产品 (接线盒、连接器) 的加工

初次认证日期: 2022年02月10日

本次发证日期: 2022年02月10日

有 效 期: 2022年02月10日至2025年02月09日

证 书 号: U919122S30075R0M









获证组织在证书有效期内须每年至少接受一次监督审核,并与管理体系认证监督结论通知书一并使用方为有效 注:管理体系认证审核报告和监督结论通知书在航星认证客户关系管理系统(网址:vip. hxqc. cn)上获取 本证书信息可在国家认证认可监督管理委员会官方网站(www. cnca. gov. cn)和www. hxqc. cn上查询



# 北京大陆航星质量认证中心股份有限公司

地址:北京市海淀区玉泉路甲12号七层



# CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2229677-0

Report Reference E508989-20220714

Date 25-Jul-2022

Issued to: Taizhou Chuangda Electronic Co., Ltd.

10 Fengan Road, Diao Pu Street Taizhou, Jiangsu 225321

China

This is to certify that representative samples of

QIJB2 - Junction Boxes for Use in Photovoltaic Modules

and Panels - Component

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete

in certain constructional features or restricted in

performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: UL 3730, 1st Ed., Issue Date: 2014-11-11, Revision Date:

2021-06-11

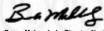
Additional Information: See the UL Online Certifications Directory at

https://ig.ulprospector.com for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.







Zertifikat

Certificate



Zertifikat Nr. Certificate No.

R 50509165

Blatt Sheet 0003

Ihr Zeichen Client Reference

W.P.C.

Unser Zeichen Our Reference

01-ZQI-CN21V8PU 002

Ausstellungsdatum

Date of Issue

31.03.2022

(day/mo/yr)

Genehmigungsinhaber License Holder

Taizhou Chuangda Electronic Co., Ltd Taizhou Chuangda Electronic Co., Ltd.

No.818, Longfeng Road,

Taizhou New energy industrial park,

Taizhou

225400 Jiangsu P.R. China

Fertigungsstätte Manufacturing Plant

No.818, Longfeng Road,

Taizhou New energy industrial park,

Taizhou

225400 Jiangsu

P.R. China

Prüfzeichen Test Mark



Bauart geprüft Sicherheit Regelmäßige Produktionsüberwachung

www.tuv.com ID 1111241519

Geprüft nach Tested acc. to

IEC 62790:2020 EN IEC 62790:2020

Zertifiziertes Produkt (Geräteidentifikation) Certified Product (Product Identification)

Lizenzentgelte - Einheit

License Fee - Unit

PV Komponente (elektrisch) für BOS (PV Components for BOS - electrical)

Type Designation : OSTA-03; OSTA-03B; OSTA-03C

(Taizhou Chuangda (LOGO)); (TZCD)

Rated Voltage : 1500VDC

Rated Current : 25A for OSTA-03; 30A for OSTA-03B;

35A for OSTA-03C

Reverse Current : 43A Application Class : Class A Protection Class : Class II

Protection Degree : IP65/IP68(1m,1h) Ambient Temperature : -40°C to +85°C

Remark: The labelling requirements according to EU Directive

2001/95 have to be observed for distribution within

the EEA.

5

ANLAGE (Appendix): 1.0

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht. This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

http://www.tuv.com/safety E-mail: markcheck@tuv.com Fax: +49 221 806-3935







## CERTIFICATE

No. B 090427 0004 Rev. 05

**Holder of Certificate:** Taizhou Chuangda Electronic Co., Ltd

New energy industrial park incubator center

225312 Taizhou

PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Installation box Product:

Junction Box for PV Module

JSD03, JSD03-H, JB04, PV02, PV-JB03, PV-JB03(x), PV-03 Model(s): PV-03(x), OSTA-03, OSTA-03A, OSTA-03B, PV-JB08-A

Rated Voltage: Up to 1500VDC Parameters:

Rated Current: 15A for JSD03, JB04, PV-JB08-A;

25A for JSD03-H 18A for PV02

20A for PV-JB03, PV-JB03(x) 25A for PV-03, PV-03(x) 25A for OSTA-03 20A for OSTA-03A;

30A for OSTA-03B;

Reverse Current: 25A for JB04, PV02, PV-JB03

PV-JB03(x), PV-03, PV-03(x) OSTA-03, OSTA-03A, OSTA-03B

PV-JB08-A

42.5 for JSD03, JSD03-H

Application Class

Protection Class:

Degree of Protection: IP65/IP68(1m,1h) Ambient Temperature: -40°C ~ +85°C

IEC 62790(ed.1) Tested according to: EN 62790:2015

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 complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 704071914601-05 Valid until: 2026-03-10

Date. 2021-03-11

(Yagun Alex Liu)



# CERTIFICATE

Issued to: Applicant:

Taizhou Chuangda Electronic Co., Ltd. No.818, Longfeng Road, Taizhou New energy industrial park, 225400 Taizhou Jiangsu, China

Taizhou Chuangda Electronic Co., Ltd. No.818, Longfeng Road, Taizhou New energy industrial park, 225400 Taizhou Jiangsu, China

Junction boxes for photovoltaic modules Product

Trade name(s) **TZCD** 

Type(s)/model(s) OSTA-03, OSTA-03A, OSTA-03B and PV-JB08-A

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of

- a type test according to the standard(s) IEC 62790:2014 and EN 62790:2015
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 6059840

DEKRA hereby grants the right to use the DEKRA Seal certification mark

The DEKRA Seal certification mark may be applied to the product as specified in this certificate for the duration and under the conditions of the DEKRA Seal certification agreement.

This certificate is issued on 18 May 2021 and expires at the latest on 19 August 2023

Certificate number: 31-118999

DEKRA Certification B.V.

B.T.M. Holtus Managing Director

H.R.M. Barends Certification Manager

© Integral publication of this certificate is allowed

### Sølreach.

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 

E508990

Report Reference

E508990-2019-11-11

**Date** 

2022-September-13

Issued to:

Taizhou Chuangda Electronic Co., Ltd. 10 Fengan Road, Diao Pu Street Taizhou Jiangsu 225321 CN

This is to certify that representative samples of

CONNECTORS FOR USE IN PHOTOVOLTAIC SYSTEMS

- COMPONENT

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete

in certain constructional features or restricted in

performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety:

UL 6703: Connectors for Use in Photovoltaic Systems

CSA C22.2 No. 182.5 : Photovoltaic Connectors

**Additional Information:** 

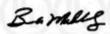
See the UL Online Certifications Directory at

https://ig.ulprospector.com for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.









## CERTIFICATE

No. B 090427 0005 Rev.

Holder of Certificate: Taizhou Chuangda Electronic Co., Ltd

New energy industrial park incubator center

225312 Taizhou

PEOPLE'S REPUBLIC OF CHINA

**Certification Mark:** 



Product: Connector

**Connectors for Photovoltaic Systems** 

Model(s): PV-TT02, CD2

Parameters: Rated Voltage: Up to 1500VDC

Rated Current: 43A for PV-TT02, 41A or 48A for CD2

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/AMD1:2020 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 complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 704072002402-01

Valid until: 2026-11-03

Date, 2021-11-03

(Yaqun Alex Liu)

### Sølreach.

#### Zertifikat

#### Certificate

**TUV**Rheinland

Zertifikat Nr. Certificate No. R 50567571

Blatt Sheet 0001

Ihr Zeichen Client Reference

Unser Zeichen Our Reference

01-ZQI-CN21V8PU 002

Ausstellungsdatum 01.02.2023

Date of Issue (day/mo/yr)

Genehmigungsinhaber License Holder Taizhou Chuangda Electronic

Co., Ltd.

W.P.C.

No. 818, Longfeng Road,

Taizhou New energy industrial park, Taizhou, Jiangsu Province 225400

P.R. China

Fertigungsstätte Manufacturing Plant

Taizhou Chuangda Electronic

Co., Ltd.

No. 818, Longfeng Road,

Taizhou New energy industrial park, Taizhou, Jiangsu Province 225400

P.R. China

#### Prüfzeichen Test Mark



Bauart geprüft Sicherheit Regelmäßige Produktionsüberwachung

www.tuv.com ID 1419042333

Geprüft nach Tested acc. to IEC 62790:2020

EN IEC 62790:2020

Zertifiziertes Produkt (Geräteidentifikation) Certified Product (Product Identification) Lizenzentgelte - Einheit License Fee - Unit

Steckverbinder (Connector for Photovoltaic System)

Type Designation

: CD2 (Taizhou Chuangda (LOGO))

5

Rated Voltage

: 1500VDC : 42A

Rated Current Ambient Temperature

: -40°C to +85°C

Upper Limit Temperature: 100°C

Cross Section Range : 1 x 4,0mm<sup>2</sup>

Protection Degree

: IP65/IP68(1m,1h)

Application Class

: Class A

Remark: The labelling requirements acc. to EU Directive 2001/95 have to be observed for distribution within

the EEA.

ANLAGE (Appendix): 1.0

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht. This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

Tel:+49 221 806-1371 e-mail: cert-validity@de.tuv.com Fax:+49 221 806-3935 http://www.tuv.com/safety

TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior approval



Dipl.-Ing. (FH) Bernd Scheirer

### Selreach.

## CERTIFICATE OF COMPLIANCE

Certificate Number E530209

**Report Reference** E530209-20220907

Issue Date 2022-SEPTEMBER-07

Issued to: TAIZHOU CHUANGDA ELECTRONIC CO., LTD.

10 Fengan Road, Diao Pu Street

Taizhou 225321 CN

This certificate confirms that representative samples of See Addendum Page

occ Addendam rage

Have been evaluated by UL in accordance with the

Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 4703 - Photovoltaic Wire

UL 44 - Thermoset-Insulated Wires and Cables

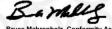
Additional Information: See UL Product iQ® at https://ig.ulprospector.com for

additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Conformity Assessment Director

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Customer Service at <a href="http://ul.com/aboutul/locations/">http://ul.com/aboutul/locations/</a>



#### Zertifikat

#### Certificate



Zertifikat Nr. Certificate No.

Blatt Sheet 0001

R 50550726

Unser Zeichen Our Reference

Ihr Zeichen Client Reference

Ausstellungsdatum

Date of Issue

W.P.C.

01-WJJ-15083539 024

04.08.2022

(day/mo/yr)

Genehmigungsinhaber License Holder

Fertigungsstätte Manufacturing Plant

Taizhou Chuangda Electronic Co., Ltd 040-0002187502

No.10 Building, Private

Industrial Park, Diaopu Street, Gaogang District, Taizhou City,

225400 Jiangsu

P.R. China

Prüfzeichen Test Mark

Geprüft nach Tested acc. to IEC 62930:2017



Type Approved Safety Regular Production Surveillance

www.tuv.com ID 1111256607

Zertifiziertes Produkt (Geräteidentifikation)

Lizenzentgelte - Einheit License Fee - Unit

5

(Product Identification) Certified Product Cable (Electric Cables for Photovoltaic Systems)

Type Designation

: 2069467-IEC

Code Marking

: 62930 IEC 131

Taizhou Chuangda Electronic

Co., Ltd.

Additional Marking

: HALOGEN FREE LOW SMOKE

Scope of Sizes

: 1X4,0mm2

Rated Voltage

: DC 1,5kV

Max. Storage Temperature : +45°C

Min.Temperature for

Installation and Handling: -25°C

Max.Temperature

at Conductor

: 120°C

GA Prod

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht. This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

http://www.tuv.com/safety E-mail: markcheck@tuv.com

Fax: +49 221 806-3935

Ttifizie Kenny Shi

Zertifizierungsstelle

# Product Carbon Footprint Verification Statement



Applicant : Taizhou Chuangda Electronic Co., Ltd

Address : No.N10-03, Standardized plant area, Fengan road private industrial park.

Diaopu street, Gaogang district, 225323 Taizhou City, Jiangsu, China

Factory : Taizhou Chuangda Electronic Co., Ltd.

Address : No.N10-03, Standardized plant area, Fengan road private industrial park.

Diaopu street, Gaogang district, 225323/Taizhou/City, Jiangsu, China

Product : Junction Box for PV Module

Type/Model ://OSTA-03

Statement No. /:/ PCF 6149544.50

Reference Standard : // ISO/14040:2006;/ISO/14044:2006;/ISO/14067:2018

System Boundary : Cradle-to-Gate

Statement Period : 2023-01-10 to 2024-01-09

This Verification Statement is based on report No. 6149544.50, the assessment results see the report for details.

This verification statement is based on the information made available to DEKRA Testing/ and Certification (Shanghai) Ltd. therefore DEKRA can't be held liable to any party relying on or acting on this verification statement

DEKRA Testing and Certification (Shanghai) Ltd.

Jacky Bai General Manager

DEKRA Testing and Certification (Shanghai) Ltd. 3F, No. 250, Jiangchangsan Road, Jing an District, Shanghai, 200436, P. R. China

# Sølreach.



检测报告 日期: 2022年09月02日 第1页,共15页 编号: SHAEC2211431202

客户名称: 泰州创达电子有限公司

客户地址: 江苏省泰州市高港区刁铺街道民营园 10 号楼

样品名称: 光伏接线盒 型号: OSTA-03

客户参考信息: PV-TT02、CD1、CD2、CD3、CD4、PV-JB01-B、PV-JB02、PV-JB03、PV-JB

06、PV-JB08、PV-JB08-A、PV-01、PV-02、PV-03、PV-04、GF30xy、GF40x

y、OSTA-03A、OSTA-03B、OSTA-03xy

以上样品及信息由客户提供。

SGS工作编号: SP22-000716 - SH 样品接收日期: 2022年08月04日

检测周期: 2022年08月04日 - 2022年08月10日

检测要求: 根据客户要求检测 检测方法: 请参见下一页 检测结果: 请参见下一页

基于所送样品进行的检测,镉、铅、汞、六价铬、多溴联苯(PBBs)、多溴二苯 结论:

> 醚(PBDEs)、邻苯二甲酸酯(如邻苯二甲酸二丁酯 (DBP)、邻苯二甲酸丁苄 酯(BBP)、邻苯二甲酸二(2-乙基己基)酯(DEHP)和邻苯二甲酸二异丁酯(DIBP))的 检测结果符合欧盟RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863的限值

要求。

通标标准技术服务(上海)有限公司 授权签名

Jenny Lan兰柳珍 批准签署人





Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Servic overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format do subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document/Attention">http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document/Terms-e

3<sup>rd</sup>Building, No. 889 Yishan Road Xuhui District, Shanghai China 200233 中国・上海・徐汇区宜山路889号3号楼 邮编: 200233 t E&E (86-21) 61402553 f E&E (86-21)64953679 www.sgsgroup.com.cn tHL (86-21) 61402594 fHL (86-21)61156899

e sgs.china@sgs.com



#### Solreach

**2** +86 155 5723 7258

sales@solreach.com

www.solreach.com

Private Industrial Park Gaogang District, Diaopu Street