

证书



ISO 14001:2015

DEKRA Certification GmbH 兹证明下述组织

苏州腾晖光伏技术有限公司

社会统一信用代码（组织机构代码）：91320581690799058H

认证范围：

太阳能电池和组件的设计、制造和销售

认证地址：

中国江苏省苏州市常熟市沙家浜镇腾晖路 1 号

(更多认证场所详见附件)

已按照上述标准建立并保持了环境管理体系。符合性证据记录在编号为 No. OF20040047 的认证审核报告中。

证书登记号：	170720083	证书有效期自：	2020-08-04
原证书有效期：	2020-08-03	证书有效期至：	2023-08-03

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）上查询。

本证书在获证组织定期接受监督审核并经审核合格后方继续有效。


Dr. Gerhard Nagel

DEKRA Certification GmbH, Stuttgart, 2020-07-31
德国 DEKRA 认证集团
德凯质量认证（上海）有限公司/杭州德凯认证有限公司



Deutsche
Akkreditierungsstelle
D-ZM-16029-01-01

No. 170720083 证书之附件

有效期自 2020-08-04 到 2023-08-03

以下地点/公司属于上述范围证书:

	总部	认证地址	认证范围
	苏州腾晖光伏技术有限公司	中国江苏省苏州市常熟市沙家浜镇腾晖路 1 号	见第 1 页
	在以下位置/公司在以下位置		认证范围
1.	腾晖技术（泰国）有限公司	泰国罗勇府伯乐当县马央喷镇第六村门牌 7/473 - 21140	太阳能电池和组件的制造和销售



Dr. Gerhard Nagel

斯图加特, 日期, 2020-07-31

德国 DEKRA 认证集团

德凯质量认证（上海）有限公司/杭州德凯认证有限公司



CERTIFICATE



ISO 14001:2015

DEKRA Certification GmbH hereby certifies that the organization

Suzhou Talesun Solar Technologies Co., Ltd.

Scope of certification:

Design, Manufacturing and Sales of Solar Cell and PV Module.

Certified location:

No.1 Talesun Road, Shajiabang, Changshu, Suzhou, Jiangsu Province, P.R. China

(further locations see annex)

has established and maintains an environmental management system according to the above mentioned standard. The conformity was adduced with audit report no. OF20040047.

Certificate registration no.: 170720083

Certificate valid from:

2020-08-04

Validity of previous certificate: 2020-08-03

Certificate valid to:

2023-08-03

Language translation

Dr. Gerhard Nagel

DEKRA Certification GmbH, Stuttgart, 2020-07-31

DEKRA Certification GmbH * Handwerkstraße 15 * D-70565 Stuttgart * www.dekra-certification.de



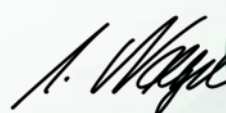
Deutsche
Akkreditierungsstelle
D-ZM-16029-01-01

Annex to the Certificate No. 170720083

valid from 2020-08-04 to 2023-08-03

The following locations / companies belong to the certificate above:

	Headquarter	Certified location	Scope of certification
	Suzhou Talesun Solar Technologies Co., Ltd.	No.1 Talesun Road, Shajiabang, Changshu, Suzhou, Jiangsu Province, P.R. China	See page 1
	at the following locations / at the companies at the following locations		Scope of certification
1.	Talesun Technologies (Thailand) Co., Ltd.	7/473 Moo.6 Mabyangporn, Pluakdaeng, Rayong, Thailand - 21140	Manufacturing and Sales of Solar Cell and PV Module



Dr. Gerhard Nagel
DEKRA Certification GmbH, Stuttgart, 2020-07-31



证书



ISO 9001:2015

DEKRA Certification GmbH 兹证明下述组织

苏州腾晖光伏技术有限公司

社会统一信用代码（组织机构代码）：91320581690799058H

认证范围：

太阳能电池和组件的设计、制造和销售

认证地址：

中国江苏省苏州市常熟市沙家浜镇腾晖路1号

(更多认证场所详见附件)

已按照上述标准建立并保持了质量管理体系。符合性证据记录在编号为 No. OF20040047 的认证审核报告中。

证书登记号：	50720521	证书有效期自：	2020-08-04
原证书有效期：	2020-08-03	证书有效期至：	2023-08-03

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）上查询。

本证书在获证组织定期接受监督审核并经审核合格后方继续有效。


Dr. Gerhard Nagel
DEKRA Certification GmbH, Stuttgart, 2020-07-31
德国DEKRA认证集团
德凯质量认证（上海）有限公司/杭州德凯认证有限公司



Deutsche
Akkreditierungsstelle
D-ZM-16029-01-01

No. 50720521证书之附件

有效期自2020-08-04到 2023-08-03

以下地点/公司属于上述范围证书:

	总部	认证地址	认证范围
	苏州腾晖光伏技术有限公司	中国江苏省苏州市常熟市沙家浜镇腾晖路1号	见第1页
	在以下位置/公司在以下位置		认证范围
1.	腾晖技术(泰国)有限公司	泰国罗勇府伯乐当县马央喷镇第六村门牌7/473 - 21140	太阳能电池和组件的制造和销售



Dr. Gerhard Nagel

斯图加特, 日期, 2020-07-31

德国DEKRA认证集团

德凯质量认证(上海)有限公司/杭州德凯认证有限公司



CERTIFICATE



ISO 9001:2015

DEKRA Certification GmbH hereby certifies that the organization

Suzhou Talesun Solar Technologies Co., Ltd.

Scope of certification:

Design, Manufacturing and Sales of Solar Cell and PV Module

Certified location:

No.1 Talesun Road, Shajiabang, Changshu, Suzhou, Jiangsu Province, P.R. China

(further locations see annex)

has established and maintains a quality management system according to the above mentioned standard. The conformity was adduced with audit report no. OF20040047.

Certificate registration no.:	50720521	Certificate valid from:	2020-08-04
Validity of previous certificate:	2020-08-03	Certificate valid to:	2023-08-03

Language translation


Dr. Gerhard Nagel
DEKRA Certification GmbH, Stuttgart, 2020-07-31



Deutsche
Akkreditierungsstelle
D-ZM-16029-01-01

Annex to the Certificate No. 50720521

valid from 2020-08-04 to 2023-08-03

The following locations / companies belong to the certificate above:

	Headquarter	Certified location	Scope of certification
	Suzhou Talesun Solar Technologies Co., Ltd.	No.1 Talesun Road, Shajiabang, Changshu, Suzhou, Jiangsu Province, P.R. China	See page 1
	at the following locations / at the companies at the following locations		Scope of certification
1.	Talesun Technologies (Thailand) Co., Ltd.	7/473 Moo.6 Mabyangporn, Pluakdaeng, Rayong, Thailand - 21140	Manufacturing and Sales of Solar Cell and PV Module


Dr. Gerhard Nagel

DEKRA Certification GmbH, Stuttgart, 2020-07-31

证书



ISO 45001:2018

DEKRA Certification GmbH 兹证明下述组织

苏州腾晖光伏技术有限公司

社会统一信用代码（组织机构代码）：91320581690799058H

认证范围：

太阳能电池和组件的设计、制造和销售

认证地址：

中国江苏省苏州市常熟市沙家浜镇腾晖路 1 号

(更多认证场所详见附件)

已按照上述标准建立并保持了职业健康安全管理体系。符合性证据记录在编号为 No. OF20040047 的认证审核报告中。

证书登记号：	450520043/1	证书有效期自：	2020-08-04
原证书有效期：	2020-08-03	证书有效期至：	2023-08-03

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）上查询。

本证书在获证组织定期接受监督审核并经审核合格后方继续有效。



Dr. Gerhard Nagel
DEKRA Certification GmbH, Stuttgart, 2020-08-04
德国 DEKRA 认证集团
德凯质量认证（上海）有限公司/杭州德凯认证有限公司



No. 450520043/1 证书之附件

有效期自 2020-08-04 到 2023-08-03

以下地点/公司属于上述范围证书:

	总部	认证地址	认证范围
	苏州腾晖光伏技术有限公司	中国江苏省苏州市常熟市沙家浜镇腾晖路 1 号	见第 1 页
	在以下位置/公司在以下位置		认证范围
1.	腾晖技术（泰国）有限公司	泰国罗勇府伯乐当县马央喷镇第六村门牌 7/473 - 21140	太阳能电池和组件的制造和销售



Dr. Gerhard Nagel

斯图加特, 日期, 2020-08-04

德国 DEKRA 认证集团

德凯质量认证（上海）有限公司/杭州德凯认证有限公司



CERTIFICATE



ISO 45001:2018

DEKRA Certification GmbH hereby certifies that the organization

Suzhou Talesun Solar Technologies Co., Ltd.

Scope of certification:

Design, Manufacturing and Sales of Solar Cell and PV Module

Certified location:

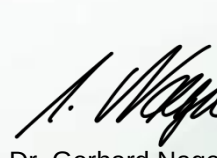
No.1 Talesun Road, Shajiabang, Changshu, Suzhou, Jiangsu Province, P.R. China

(further locations see annex)

is a member of the certified body that establishes and maintains an occupational health and safety management system in accordance with the above mentioned standard. This was verified by audit report no.. OF20040047.

Certificate registration no.:	450520043/1	Certificate valid from:	2020-08-04
Validity of previous certificate :	2020-08-03	Certificate valid to:	2023-08-03

Language translation


Dr. Gerhard Nagel
DEKRA Certification GmbH, Stuttgart, 2020-08-04



Deutsche
Akkreditierungsstelle
D-ZM-16029-01-01

Annex to the Certificate No. 450520043/1

valid from 2020-08-04 to 2023-08-03

The following locations / companies belong to the certificate above:

	Headquarter	Certified location	Scope of certification
	Suzhou Talesun Solar Technologies Co., Ltd.	No.1 Talesun Road, Shajiabang, Changshu, Suzhou, Jiangsu Province, P.R. China	See page 1
	at the following locations / at the companies at the following locations		Scope of certification
1.	Talesun Technologies (Thailand) Co., Ltd.	7/473 Moo.6 Mabyangporn, Pluakdaeng, Rayong, Thailand - 21140	Manufacturing and Sales of Solar Cell and PV Module.


Dr. Gerhard Nagel
DEKRA Certification GmbH, Stuttgart, 2020-08-04





Product Service

CERTIFICATE

No. Z2 078488 0091 Rev. 00

Holder of Certificate: Suzhou Talesun Solar Technologies Co., Ltd.
No. 1 Talesun Road
Changkun Industrial Park
Shajiabang Town, Changshu
215542 Suzhou, Jiangsu Province
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules
Mono-Crystalline Silicon Photovoltaic Module

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. See also notes overleaf.

Test report no.: 704061617103-02

Valid until: 2023-08-28

Date, 2018-09-06

(Zhulin Zhang)



Product Service

CERTIFICATE

No. Z2 078488 0091 Rev. 00

Model(s):

1000 VDC system voltage modules:

TP672M-xxx, xxx= 275 to 390 in step of 5

TP660M-xxx, xxx= 230 to 325 in step of 5

TP654M-xxx, xxx= 205 to 280 in step of 5

TP648M-xxx, xxx= 185 to 250 in step of 5

TP6H72M-xxx, xxx= 335 to 390 in step of 5

TP6H60M-xxx, xxx= 280 to 325 in step of 5

1500 VDC system voltage modules:

TP672M(H)-xxx, xxx= 300 to 390 in step of 5

TP660M(H)-xxx, xxx= 250 to 325 in step of 5

TP654M(H)-xxx, xxx= 225 to 280 in step of 5

TP648M(H)-xxx, xxx= 200 to 250 in step of 5

TP6H72M(H)-xxx, xxx= 335 to 390 in step of 5

TP6H60M(H)-xxx, xxx= 280 to 325 in step of 5

xxx is standing for rated output power at STC

Parameters:

Rated Output Power at STC:

Construction:

See the table below

Framed, with Junction box,
Cable and Connectors.

Application Class :

Class A

Maximum System Voltage:

1500 V DC or 1000 V DC

Fire Safety Class:

Class C

Severity of salt mist
test:

Level 6

No. Z2 078488 0091 Rev. 00

Tested	IEC 61215(ed.2)
according to:	IEC 61701(ed.2)
	IEC 61730-1(ed.1):am1;am2
	IEC 61730-2(ed.1):am1

001453, 003671, 078488, 087702, 090968, 096715, 101042

Zeit



Product Service

CERTIFICATE

No. Z2 078488 0093 Rev. 00

Holder of Certificate: Suzhou Talesun Solar Technologies Co., Ltd.
No. 1 Talesun Road
Changkun Industrial Park
Shajiabang Town, Changshu
215542 Suzhou, Jiangsu Province
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules
Poly-Crystalline Silicon Photovoltaic Module

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. See also notes overleaf.

Test report no.: 704061617104-02

Valid until: 2023-08-30

Date, 2018-09-06

(Zhulin Zhang)



Product Service

CERTIFICATE

No. Z2 078488 0093 Rev. 00

Model(s):

1000 VDC system voltage modules:

TP672P-xxx, xxx= 285 to 360 in step of 5

TP660P-xxx, xxx= 230 to 300 in step of 5

TP654P-xxx, xxx= 205 to 255 in step of 5

TP648P-xxx, xxx= 180 to 230 in step of 5

TP636P-xxx, xxx= 130 to 150 in step of 5

TP6H72P-xxx, xxx= 300 to 360 in step of 5

TP6H60P-xxx, xxx= 250 to 300 in step of 5

1500 VDC system voltage modules:

TP672P(H)-xxx, xxx= 285 to 360 in step of 5

TP660P(H)-xxx, xxx= 235 to 300 in step of 5

TP654P(H)-xxx, xxx= 210 to 255 in step of 5

TP648P(H)-xxx, xxx= 190 to 230 in step of 5

TP6H72P(H)-xxx, xxx= 300 to 360 in step of 5

TP6H72P(H)-xxx, xxx= 250 to 300 in step of 5

xxx is standing for rated output power at STC

Parameters:

Rated Output Power at STC:

See the table below

Construction:

Framed, with Junction box,
Cable and Connectors.

Application Class :

Class A

Maximum System Voltage:

1500 V DC or 1000 V DC

Fire Safety Class:

Class C

Severity of salt mist
test:

Level 6

CERTIFICATE

No. Z2 078488 0093 Rev. 00

Model (1000VDC system voltage normal modules)	Rated Output Power at STC
TP672P-xxx, xxx= 285 to 360 in step of 5	285W,290W,295W,300W,305W,310W,315W,320W,325W,330W,335W,340W,345W,350W,355W,360W
TP660P-xxx, xxx= 230 to 300 in step of 5	230W,235W,240W,245W,250W,255W,260W,265W,270W,275W,280W,285W,290W,295W,300W
TP654P-xxx, xxx= 205 to 255 in step of 5	205W,210W,215W,220W,225W,230W,235W,240W,245W,250W,255W
TP648P-xxx, xxx= 180 to 230 in step of 5	180W,185W,190W,195W,200W,205W,210W,215W,220W,225W,230W
TP636P-xxx, xxx= 130 to 150 in step of 5	130W,135W,140W,145W,150W
TP6H72P-xxx, xxx= 300 to 360 in step of 5	300W,305W,310W,315W,320W,325W,330W,335W,340W,345W,350W,355W,360W
TP6H60P-xxx, xxx= 250 to 300 in step of 5	250W,255W,260W,265W,270W,275W,280W,285W,290W,295W,300W
Model (1500VDC system voltage normal modules)	Rated Output Power at STC
TP672P(H)-xxx, xxx= 285 to 360 in step of 5	285W,290W,295W,300W,305W,310W,315W,320W,325W,330W,335W,340W,345W,350W,355W,360W
TP660P(H)-xxx,xxx=235 to 300 in step of 5	235W,240W,245W,250W,255W,260W,265W,270W,275W,280W,285W,290W,295W,300W
TP654P(H)-xxx,xxx=210 to 255 in step of 5	210W,215W,220W,225W,230W,235W,240W,245W,250W,255W
TP648P(H)-xxx,xxx=190 to 230 in step of 5	190W,195W,200W,205W,210W,215W,220W,225W,230W
TP6H72P(H)-xxx,xxx=300 to 360 in step of 5	300W,305W,310W,315W,320W,325W,330W,335W,340W,345W,350W,355W,360W
TP6H72P(H)-xxx,xxx=250 to 300 in step of 5	250W,255W,260W,265W,270W,275W,280W,285W,290W,295W,300W

**Tested
according to:**

IEC 61215(ed.2)
IEC 61701(ed.2)
IEC 61730-1(ed.1);am1;am2
IEC 61730-2(ed.1);am1

**Production
Facility(ies):**

001453, 003671, 078488, 087702, 090968, 096715, 101042





Product Service

CERTIFICATE

No. Z2 078488 0092 Rev. 00

Holder of Certificate: **Suzhou Talesun Solar Technologies Co., Ltd.**

No. 1 Talesun Road
Changkun Industrial Park
Shajiabang Town, Changshu
215542 Suzhou, Jiangsu Province
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**
Mono-Crystalline Silicon Photovoltaic Module

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. See also notes overleaf.

Test report no.: 704061617105-02

Valid until: 2023-08-30

Date, 2018-09-06

(Zhulin Zhang)



Product Service

CERTIFICATE

No. Z2 078488 0092 Rev. 00

Model(s):

1000 VDC system voltage modules:

TP672M-xxx, xxx= 275 to 390 in step of 5

TP660M-xxx, xxx= 230 to 325 in step of 5

TP654M-xxx, xxx= 205 to 280 in step of 5

TP648M-xxx, xxx= 185 to 250 in step of 5

TP6H72M-xxx, xxx= 335 to 390 in step of 5

TP6H60M-xxx, xxx= 280 to 325 in step of 5

1500 VDC system voltage modules:

TP672M(H)-xxx, xxx= 300 to 390 in step of 5

TP660M(H)-xxx, xxx= 250 to 325 in step of 5

TP654M(H)-xxx, xxx= 225 to 280 in step of 5

TP648M(H)-xxx, xxx= 200 to 250 in step of 5

TP6H72M(H)-xxx, xxx= 335 to 390 in step of 5

TP6H60M(H)-xxx, xxx= 280 to 325 in step of 5

xxx is standing for rated output power at STC

Parameters:

Rated Output Power at STC:

See the table below

Construction:

Framed, with Junction box,
Cable and Connectors.

Application Class :

Class A

Maximum System Voltage:

1500 V DC or 1000 V DC

Fire Safety Class:

Class C

CERTIFICATE

No. Z2 078488 0092 Rev. 00

Model	Rated Output Power at STC
(1000VDC system voltage modules)	
TP672M-xxx, xxx= 275 to 390 in step of 5	275W, 280W, 285W, 290W, 295W, 300W, 305W, 310W, 315W, 320W, 325W, 330W, 335W, 340W, 345W, 350W, 355W, 360W, 365W, 370W, 375W, 380W, 385W, 390W
TP660M-xxx, xxx= 230 to 325 in step of 5	230W, 235W, 240W, 245W, 250W, 255W, 260W, 265W, 270W, 275W, 280W, 285W, 290W, 295W, 300W, 305W, 310W, 315W, 320W, 325W
TP654M-xxx, xxx= 205 to 280 in step of 5	205W, 210W, 215W, 220W, 225W, 230W, 235W, 240W, 245W, 250W, 255W, 260W, 265W, 270W, 275W, 280W
TP648M-xxx, xxx= 185 to 250 in step of 5	185W, 190W, 195W, 200W, 205W, 210W, 215W, 220W, 225W, 230W, 235W, 240W, 245W, 250W
TP6H72M-xxx, xxx= 335 to 390 in step of 5	335W, 340W, 345W, 350W, 355W, 360W, 365W, 370W, 375W, 380W, 385W, 390W
TP6H60M-xxx, xxx= 280 to 325 in step of 5	280W, 285W, 290W, 295W, 300W, 305W, 310W, 315W, 320W, 325W
Model	Rated Output Power at STC
1500VDC system voltage modules	
TP672M(H)-xxx, xxx= 300 to 390 in step of 5	300W, 305W, 310W, 315W, 320W, 325W, 330W, 335W, 340W, 345W, 350W, 355W, 360W, 365W, 370W, 375W, 380W, 385W, 390W
TP660M(H)-xxx, xxx= 250 to 325 in step of 5	250W, 255W, 260W, 265W, 270W, 275W, 280W, 285W, 290W, 295W, 300W, 305W, 310W, 315W, 320W, 325W
TP654M(H)-xxx, xxx= 225 to 280 in step of 5	225W, 230W, 235W, 240W, 245W, 250W, 255W, 260W, 265W, 270W, 275W, 280W
TP648M(H)-xxx, xxx= 200 to 250 in step of 5	200W, 205W, 210W, 215W, 220W, 225W, 230W, 235W, 240W, 245W, 250W
TP6H72M(H)-xxx, xxx= 335 to 390 in step of 5	335W, 340W, 345W, 350W, 355W, 360W, 365W, 370W, 375W, 380W, 385W, 390W
TP6H60M(H)-xxx, xxx= 280 to 325 in step of 5	280W, 285W, 290W, 295W, 300W, 305W, 310W, 315W, 320W, 325W

Tested according to:

IEC 61215(ed.2)
IEC 61730-1(ed.1);am1;am2
IEC 61730-2(ed.1);am1
IEC 62716(ed.1)

Production Facility(ies):

001453, 003671, 078488, 087702, 090968, 096715, 101042





CERTIFICATE

No. Z2 078488 0094 Rev. 00

Holder of Certificate: Suzhou Talesun Solar Technologies Co., Ltd.

No. 1 Talesun Road
Changkun Industrial Park
Shajiabang Town, Changshu
215542 Suzhou, Jiangsu Province
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules
Poly-Crystalline Silicon Photovoltaic Module

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. See also notes overleaf.

Test report no.: 704061617106-02

Valid until: 2023-08-30

Date, 2018-09-06

(Zhulin Zhang)

John



Product Service

CERTIFICATE

No. Z2 078488 0094 Rev. 00

Model(s):

1000 VDC system voltage modules:

TP672P-xxx, xxx= 285 to 360 in step of 5

TP660P-xxx, xxx= 230 to 300 in step of 5

TP654P-xxx, xxx= 205 to 255 in step of 5

TP648P-xxx, xxx= 180 to 230 in step of 5

TP636P-xxx, xxx= 130 to 150 in step of 5

TP6H72P-xxx, xxx= 300 to 360 in step of 5

TP6H60P-xxx, xxx= 250 to 300 in step of 5

1500 VDC system voltage modules:

TP672P(H)-xxx, xxx= 285 to 360 in step of 5

TP660P(H)-xxx, xxx=235 to 300 in step of 5

TP654P(H)-xxx, xxx=210 to 255 in step of 5

TP648P(H)-xxx, xxx=190 to 230 in step of 5

TP6H72P(H)-xxx, xxx=300 to 360 in step of 5

TP6H72P(H)-xxx, xxx=250 to 300 in step of 5

xxx is standing for rated output power at STC

Parameters:

Rated Output Power at STC:

See the table below

Construction:

Framed, with Junction box,
Cable and Connectors.

Application Class :

Class A

Maximum System Voltage:

1500 V DC or 1000 V DC

Fire Safety Class:

Class C

CERTIFICATE

No. Z2 078488 0094 Rev. 00

Model (1000VDC system voltage normal modules)	Rated Output Power at STC
TP672P-xxx, xxx= 285 to 360 in step of 5	285W,290W,295W,300W,305W,310W,315W,320W,325W,330W,335W,340W,345W,350W,355W,360W
TP660P-xxx, xxx= 230 to 300 in step of 5	230W,235W,240W,245W,250W,255W,260W,265W,270W,275W,280W,285W,290W,295W,300W
TP654P-xxx, xxx= 205 to 255 in step of 5	205W,210W,215W,220W,225W,230W,235W,240W,245W,250W,255W
TP648P-xxx, xxx= 180 to 230 in step of 5	180W,185W,190W,195W,200W,205W,210W,215W,220W,225W,230W
TP636P-xxx, xxx= 130 to 150 in step of 5	130W,135W,140W,145W,150W
TP6H72P-xxx, xxx= 300 to 360 in step of 5	300W,305W,310W,315W,320W,325W,330W,335W,340W,345W,350W,355W,360W
TP6H60P-xxx, xxx= 250 to 300 in step of 5	250W,255W,260W,265W,270W,275W,280W,285W,290W,295W,300W
Model (1500VDC system voltage normal modules)	Rated Output Power at STC
TP672P(H)-xxx, xxx= 285 to 360 in step of 5	285W,290W,295W,300W,305W,310W,315W,320W,325W,330W,335W,340W,345W,350W,355W,360W
TP660P(H)-xxx, xxx=235 to 300 in step of 5	235W,240W,245W,250W,255W,260W,265W,270W,275W,280W,285W,290W,295W,300W
TP654P(H)-xxx, xxx=210 to 255 in step of 5	210W,215W,220W,225W,230W,235W,240W,245W,250W,255W
TP648P(H)-xxx, xxx=190 to 230 in step of 5	190W,195W,200W,205W,210W,215W,220W,225W,230W
TP6H72P(H)-xxx, xxx=300 to 360 in step of 5	300W,305W,310W,315W,320W,325W,330W,335W,340W,345W,350W,355W,360W
TP6H72P(H)-xxx, xxx=250 to 300 in step of 5	250W,255W,260W,265W,270W,275W,280W,285W,290W,295W,300W

Tested

according to:

IEC 61215(ed.2)

IEC 61730-1(ed.1);am1;am2

IEC 61730-2(ed.1);am1

IEC 62716(ed.1)

Production

Facility(ies):

001453, 003671, 078488, 087702, 090968, 096715, 101042





Product Service

CERTIFICATE

No. Z2 078488 0098 Rev. 00

Holder of Certificate: Suzhou Talesun Solar Technologies Co., Ltd.

No. 1 Talesun Road
Shajiabang, Changshu
215542 Suzhou, Jiangsu Province
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules
Mono-Crystalline Silicon Photovoltaic Module

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.: 704062000803-00

Valid until: 2025-06-15

Date, 2020-06-19

(Zhulin Zhang)

CERTIFICATE

No. Z2 078488 0098 Rev. 00

Model(s):

TD6G72M-xxx,xxx=395 to 410 in step of 5
TD6G60M-xxx,xxx=330 to 340 in step of 5
xxx is standing for rated output power at STC

Parameters:

Construction:	Framed double glass with Junction box, Cable and Connectors.
Safety Class:	Class II
Maximum System Voltage:	1500 V DC
Fire Safety Class:	Class C according to UL790
Severity of salt mist test:	Level 6

**Tested
according to:**

IEC 61215-1:2016
IEC 61215-1-1:2016
IEC 61215-2:2016
IEC 61730-1:2016
IEC 61730-2:2016
IEC 61701:2011

**Production
Facility(ies):**

078488, 096715



Product Service

Attestation of Conformity

No. N8A 078488 0096 Rev. 03

Holder of Certificate: **Suzhou Talesun Solar Technologies Co., Ltd.**
No. 1 Talesun Road
Shajiabang, Changshu
215542 Suzhou, Jiangsu Province
PEOPLE'S REPUBLIC OF CHINA

Product: **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**
Mono-Crystalline Silicon Photovoltaic Module

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for testing and certification. For details see: www.tuvsud.com/ps-cert

Test report no.: 704061707023-07

Date, 2020-07-14

(Zhulin Zhang)



Product Service

Attestation of Conformity

No. N8A 078488 0096 Rev. 03

Model(s):

All electrical data is shown as relative to standard test conditions:

front side irradiance 1000 W/m², 25 °C, AM 1.5

1000 VDC system voltage normal modules:

TP678M-xxx, xxx=400-415 in step of 5;

TP672M-xxx, xxx=325-395 in step of 5;

TP6H72M-xxx, xxx=365-415 in step of 5;

TP6F72M-xxx, xxx=385-415 in step of 5;

TP6G72M-xxx, xxx=390-405 in step of 5;

TP6L72M-xxx, xxx=435 to 445, in step of 5,

TP660M-xxx, xxx=270-330 in step of 5;

TP6H60M-xxx, xxx=305-345 in step of 5;

TP6F60M-xxx, xxx=320-345 in step of 5;

TP6G60M-xxx, xxx=325-335 in step of 5;

TP6L60M-xxx, xxx=360 to 370, in step of 5,

1500 VDC system voltage normal modules:

TP678M(H)-xxx, xxx=400-415 in step of 5;

TP672M(H)-xxx, xxx=325-395 in step of 5;

TP6H72M(H)-xxx, xxx=365-415 in step of 5;

TP6F72M(H)-xxx, xxx=385-415 in step of 5;

TP6G72M(H)-xxx, xxx=390-405 in step of 5;

TP6L72M(H)-xxx, xxx=435 to 445, in step of 5,

TP660M(H)-xxx, xxx=270-330 in step of 5;

TP6H60M(H)-xxx, xxx=305-345 in step of 5;

TP6F60M(H)-xxx, xxx=320-345 in step of 5;

TP6G60M(H)-xxx, xxx=325-335 in step of 5;

TP6L60M(H)-xxx, xxx=360 to 370, in step of 5,

All electrical data is shown as relative to this test

conditions: front side irradiance 1000 W/m², backside irradiance

135 W/m², 25 °C, AM 1.5

1000 VDC system voltage normal modules:

TP6G72M-xxx, xxx=435-450 in step of 5;

TP6G60M-xxx, xxx=365-375 in step of 5;

1500 VDC system voltage normal modules:

TP6G72M(H)-xxx, xxx=435-450 in step of 5;

TP6G60M(H)-xxx, xxx=365-375 in step of 5;

All electrical data is shown as relative to this test conditions:

front side irradiance 1000 W/m², backside irradiance

200 W/m², 25 °C, AM 1.5

1000 VDC system voltage normal modules:

TP6G72M-xxx, xxx=445-460 in step of 5;

TP6G60M-xxx, xxx=375-385 in step of 5;

1500 VDC system voltage normal modules:

TP6G72M(H)-xxx, xxx=445-460 in step of 5;

TP6G60M(H)-xxx, xxx=375-385 in step of 5;

xxx is standing for rated output power

Page 2 of 3

After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.



Product Service

Attestation of Conformity

No. N8A 078488 0096 Rev. 03

Parameters:

Construction:	Framed, with Junction box, Cable and Connectors.
Safety Class:	Class II
Maximum System Voltage:	1000 V DC or 1500 V DC
Fire Safety Class:	Class C according to UL790 Yangzhou Opto-Electrical Products Testing Institute, No. 10 West Kaifa Road, Yangzhou, 225009 Jiangsu, P. R. China.
Test Laboratory:	

Tested according to:

EN IEC 61730-1:2018
EN IEC 61730-1:2018/AC:2018-06
EN IEC 61730-2:2018
EN IEC 61730-2:2018/AC:2018-06



Product Service

CERTIFICATE

No. Z2 078488 0089 Rev. 01

Holder of Certificate: **Suzhou Talesun Solar Technologies Co., Ltd.**
 No. 1 Talesun Road
 Changkun Industrial Park
 Shajiabang Town, Changshu
 215542 Suzhou, Jiangsu Province
 PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**
Mono-Crystalline Silicon Photovoltaic Module

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. See also notes overleaf.

Test report no.: 704061707018-02

Valid until: 2023-10-14

Date, 2018-10-29

(Zhulin Zhang)



Product Service

CERTIFICATE

No. Z2 078488 0089 Rev. 01

Model(s):

TP672M-xxx, xxx= 275 to 390 in step of 5
 TP660M-xxx, xxx= 230 to 325 in step of 5
 TP654M-xxx, xxx= 205 to 280 in step of 5
 TP648M-xxx, xxx= 185 to 250 in step of 5
 TP6H72M-xxx, xxx= 335 to 390 in step of 5
 TP6H60M-xxx, xxx= 280 to 325 in step of 5
 TP672M(H)-xxx, xxx= 300 to 390 in step of 5
 TP660M(H)-xxx, xxx= 250 to 325 in step of 5
 TP654M(H)-xxx, xxx= 225 to 280 in step of 5
 TP648M(H)-xxx, xxx= 200 to 250 in step of 5
 TP6H72M(H)-xxx, xxx= 335 to 390 in step of 5
 TP6H60M(H)-xxx, xxx= 280 to 325 in step of 5

xxx is standing for rated output power at STC

Parameters:

Model (1000VDC system voltage normal modules)	Rated Output Power at STC
TP672M-xxx, xxx= 275 to 390 in step of 5	275W, 280W, 285W, 290W, 295W, 300W, 305W, 310W, 315W, 320W, 325W, 330W, 335W, 340W, 345W, 350W, 355W, 360W, 365W, 370W, 375W, 380W, 385W, 390W
TP660M-xxx, xxx= 230 to 325 in step of 5	230W, 235W, 240W, 245W, 250W, 255W, 260W, 265W, 270W, 275W, 280W, 285W, 290W, 295W, 300W, 305W, 310W, 315W, 320W, 325W
TP654M-xxx, xxx= 205 to 280 in step of 5	205W, 210W, 215W, 220W, 225W, 230W, 235W, 240W, 245W, 250W, 255W, 260W, 265W, 270W, 275W, 280W
TP648M-xxx, xxx= 185 to 250 in step of 5	185W, 190W, 195W, 200W, 205W, 210W, 215W, 220W, 225W, 230W, 235W, 240W, 245W, 250W
TP6H72M-xxx, xxx= 335 to 390 in step of 5	335W, 340W, 345W, 350W, 355W, 360W, 365W, 370W, 375W, 380W, 385W, 390W
TP6H60M-xxx, xxx= 280 to 325 in step of 5	280W, 285W, 290W, 295W, 300W, 305W, 310W, 315W, 320W, 325W
Model (1500VDC system voltage normal modules)	Rated Output Power at STC
TP672M(H)-xxx, xxx= 300 to 390 in step of 5	300W, 305W, 310W, 315W, 320W, 325W, 330W, 335W, 340W, 345W, 350W, 355W, 360W, 365W, 370W, 375W, 380W, 385W, 390W
TP660M(H)-xxx, xxx= 250 to 325 in step of 5	250W, 255W, 260W, 265W, 270W, 275W, 280W, 285W, 290W, 295W, 300W, 305W, 310W, 315W, 320W, 325W
TP654M(H)-xxx, xxx= 225 to 280 in step of 5	225W, 230W, 235W, 240W, 245W, 250W, 255W, 260W, 265W, 270W, 275W, 280W
TP648M(H)-xxx, xxx= 200 to 250 in step of 5	200W, 205W, 210W, 215W, 220W, 225W, 230W, 235W, 240W, 245W, 250W
TP6H72M(H)-xxx, xxx= 335 to 390 in step of 5	335W, 340W, 345W, 350W, 355W, 360W, 365W, 370W, 375W, 380W, 385W, 390W
TP6H60M(H)-xxx, xxx= 280 to 325 in step of 5	280W, 285W, 290W, 295W, 300W, 305W, 310W, 315W, 320W, 325W



Product Service

CERTIFICATE

No. Z2 078488 0089 Rev. 01

Parameters:

Construction:	Framed, with Junction box, Cable and Connectors.
Application Class :	Class A
Maximum System Voltage:	1500 V DC or 1000 V DC
Safety Class:	Class C
Dust and Sand Test Method:	LC2
Dust/sand type:	95% SiO ₂
Dust/sand concentration:	5g/m ³
Testing Air Velocity:	20m/s
Test Duration:	4h/each side

Tested according to:

IEC 61215(ed.2)
IEC 61730-1(ed.1);am1;am2
IEC 61730-2(ed.1);am1
PPP 59022A.2013

Production Facility(ies):

001453, 078488, 096715, 003671,
087702, 090968, 101042

证书



ISO 14001:2015

DEKRA Certification GmbH 兹证明下述组织

腾晖技术（泰国）有限公司

社会统一信用代码（组织机构代码）：91320581690799058H

认证范围：

太阳能电池和组件的制造和销售

认证地址：

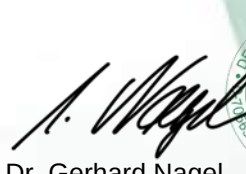
泰国罗勇府伯乐当县马央喷镇第六村门牌 7/473 - 21140

已按照上述标准建立并保持了环境管理体系。符合性证据记录在编号为 No. OF20040047 的认证审核报告中。本证书只有与编号为 170720083 的主证书一起使用时才有效。

证书登记号：	170720083-1	证书有效期自：	2020-08-04
原证书有效期：	2020-08-03	证书有效期至：	2021-02-03

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）上查询。

本证书在获证组织定期接受监督审核并经审核合格后方继续有效。


Dr. Gerhard Nagel

DEKRA Certification GmbH, Stuttgart, 2020-07-31
德国 DEKRA 认证集团
德凯质量认证（上海）有限公司/杭州德凯认证有限公司



Deutsche
Akkreditierungsstelle
D-ZM-16029-01-01

CERTIFICATE



ISO 14001:2015

DEKRA Certification GmbH hereby certifies that the organization

Talesun Technologies (Thailand) Co., Ltd.

Scope of certification:

Manufacturing and Sales of Solar Cell and PV Module

Certified location:

7/473 Moo.6 Mabyangporn, Pluakdaeng, Rayong, Thailand - 21140

is a member of the certified organization that establishes and maintains an environmental management system in accordance with the above mentioned standard. This was verified by audit report no. OF20040047. This certificate is valid only in conjunction with the main certificate no. 170720083.

Certificate registration no.: 170720083-1

Certificate valid from:

2020-08-04

Validity of previous certificate: 2020-08-03

Certificate valid till:

2021-02-03

Language translation


Dr. Gerhard Nagel
DEKRA Certification GmbH, Stuttgart, 2020-07-31



Deutsche
Akkreditierungsstelle
D-ZM-16029-01-01

证书



ISO 9001:2015

DEKRA Certification GmbH 兹证明下述组织

腾晖技术（泰国）有限公司

社会统一信用代码（组织机构代码）：91320581690799058H

认证范围：

太阳能电池和组件的制造和销售

认证地址：

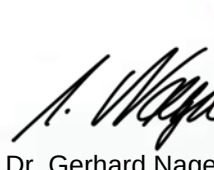
泰国罗勇府伯乐当县马央喷镇第六村门牌 7/473 - 21140

已按照上述标准建立并保持了质量管理体系。符合性证据已记录在编号为 OF20040047 的认证审核报告中。本证书只有与编号为 50720521 的主证书一起使用时才有效。

证书登记号：	50720521-1	证书有效期自：	2020-08-04
原证书有效期：	2020-08-03	证书有效期至：	2021-02-03

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）上查询。

本证书在获证组织定期接受监督审核并经审核合格后方继续有效。


Dr. Gerhard Nagel
DEKRA Certification GmbH, Stuttgart, 2020-07-31
德国 DEKRA 认证集团
德凯质量认证（上海）有限公司/杭州德凯认证有限公司



Deutsche
Akkreditierungsstelle
D-ZM-16029-01-01

CERTIFICATE



ISO 9001:2015

DEKRA Certification GmbH hereby certifies that the organization

Talesun Technologies (Thailand) Co., Ltd.

Scope of certification:

Manufacturing and Sales of Solar Cell and PV Module

Certified location:

7/473 Moo.6 Mabyangporn, Pluakdaeng, Rayong, Thailand - 21140

is a member of the certified organization that establishes and maintains a quality management system in accordance with the above mentioned standard. This was verified by audit report no. OF20040047. This certificate is only valid in connection with the main certificate no. 50720521.

Certificate registration no.:	50720521-1	Certificate valid from:	2020-08-04
Validity of previous certificate :	2020-08-03	Certificate valid to:	2021-02-03

Language translation



Dr. Gerhard Nagel
DEKRA Certification GmbH, Stuttgart, 2020-07-31



Deutsche
Akkreditierungsstelle
D-ZM-16029-01-01

证书



ISO 45001:2018

DEKRA Certification GmbH 兹证明下述组织

腾晖技术（泰国）有限公司

社会统一信用代码（组织机构代码）：91320581690799058H

认证范围：

太阳能电池和组件的制造和销售

认证地址：

泰国罗勇府伯乐当县马央喷镇第六村门牌 7/473 - 21140

已按照上述标准建立并保持了职业健康安全管理体系。符合性证据已记录在编号为 0F20040047 的认证审核报告中。该证书仅与编号为 450520043/1 的主证书一起使用方才有效。

证书登记号：	450520043/1-1	证书有效期自：	2020-08-04
原证书有效期：	2020-08-03	证书有效期至：	2021-02-03

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）上查询。

本证书在获证组织定期接受监督审核并经审核合格后方继续有效。


Dr. Gerhard Nagel
DEKRA Certification GmbH, Stuttgart, 2020-08-04
德国 DEKRA 认证集团
德凯质量认证（上海）有限公司/杭州德凯认证有限公司



Deutsche
Akkreditierungsstelle
D-ZM-16029-01-01

CERTIFICATE



ISO 45001:2018

DEKRA Certification GmbH hereby certifies that the organization
Talesun Technologies (Thailand) Co., Ltd.

Scope of certification:

Manufacturing and Sales of Solar Cell and PV Module

Certified location:

7/473 Moo.6 Mabyangporn, Pluakdaeng, Rayong, Thailand - 21140

is a member of the certified organization that establishes and maintains an occupational health and safety management system in accordance with the above mentioned standard. This was verified by audit report no. OF20040047. This certificate is valid only in conjunction with the main certificate no. 450520043/1.

Certificate registration no.: 450520043/1-1

Validity of previous certificate: 2020-08-03

Certificate valid from:

2020-08-04

Certificate valid till:

2021-02-03

Language translation

Dr. Gerhard Nagel
DEKRA Certification GmbH, Stuttgart, 2020-08-04



Deutsche
Akkreditierungsstelle
D-ZM-16029-01-01



Management Service

证书

TÜV SÜD 管理服务有限公司
认证部

兹证明

苏州腾晖光伏技术有限公司
中国江苏省苏州常熟市沙家浜镇常昆工业园区腾晖路1号
邮政编码: 215542

包括以下地点和适用范围
详见附件
建立和实施了职业健康安全管理体系

通过审核(报告号: 70796402)
证明该体系满足

OHSAS 18001:2007

的要求。

本证书的有效期从**2018年07月27日至2021年03月11日**。

证书注册号: **12 116 43804 TMS**。

M. Wegner

Product Compliance Management
慕尼黑, 2018年07月20日



Deutsche
Akkreditierungsstelle
D-ZM-14143-01-00

第1页, 共2页

ZERTIFIKAT ■ CERTIFICATE ■ CERTIFICADO ■ CERTIFICAT

認證證書



Management Service

附件

证书注册号: 12 116 43804 TMS

地点	适用范围
苏州腾晖光伏技术有限公司 中国江苏省苏州市常熟市沙家浜镇常昆工业园区 腾晖路1号 邮政编码: 215542	太阳能电池和组件的设计、制造和销售
腾晖技术(泰国)有限公司 泰国罗勇府伯乐当县马央嘎镇第六村门牌7/473 邮政编码: 21140	太阳能电池和组件的制造和销售

M. Wegner

Product Compliance Management
慕尼黑, 2018年07月20日



Deutsche
Akkreditierungsstelle
D-ZM-14143-01-00

第2页, 共2页

ZERTIFIKAT ■ CERTIFICATE ■ CERTIFICATO ■ CERTIFICAT ■ 認證證書 ■ СЕРТИФИКАТ ■ CERTIFIKAT ■ CERTIFICATE ■ CERTIFICATO ■ CERTIFICAT

CERTIFICATE

**The Certification Body
of TÜV SÜD Management Service GmbH**

certifies that

Suzhou Talesun Solar Technologies Co., Ltd.
No.1 Talesun Road, Changkun Industrial Park, Shajiabang,
Changshu, Suzhou City, Jiangsu Province, P. R. China
Post Code: 215542

Including the sites and scope of application
see enclosure

has established and applies
an Occupational Health and Safety Management System.

An audit was performed, Report No. 70796402.

Proof has been furnished that the requirements
according to

OHSAS 18001:2007

are fulfilled.

The certificate is valid from 2018-07-27 until 2021-03-11

Certificate Registration No.: 12 116 43804 TMS

Mr. Wege

Product Compliance Management
Munich, 2018-07-20



Deutsche
Akkreditierungsstelle
D-2M-14143-01-00



Management Service

Enclosure of Certificate Registration No.:
12 116 43804 TMS

Sites	Scope of application
Suzhou Talesun Solar Technologies Co., Ltd. No.1 Talesun Road, Changkun Industrial Park, Shajiabang, Changshu, Suzhou City, Jiangsu Province, P. R. China Post Code: 215542	Design, Manufacturing and Sales of Solar Cell and PV Module
Talesun Technologies (Thailand) Co., Ltd. 7/473 Moo.6 Mabyangporn, Pluakdaeng, Rayong, Thailand Post Code: 21140	Manufacturing and Sales of Solar Cell and PV Module

M. Wege

Product Compliance Management
Munich, 2018-07-20



Deutsche
Akkreditierungsstelle
D-ZM-14143-01-00



Management Service

证书

TÜV SÜD 管理服务有限公司

认证部

兹证明

苏州腾晖光伏技术有限公司

中国江苏省苏州常熟市沙家浜镇常昆工业园区腾晖路1号

邮政编码: 215542

在以下适用范围

建立和实施了职业健康安全管理体系

太阳能电池和组件的设计、制造和销售。

通过审核, 报告号: **7482181053**

证明该体系满足

OHSAS 18001:2007

的要求。

本证书须与主证书同时使用时才有效,

有效期从**2018年07月27日至2021年03月11日**。

证书注册号: **12 116 43804/01 TMS**。

M. Wege

Product Compliance Management

慕尼黑, 2018年07月20日



Deutsche
Akkreditierungsstelle
D-ZM-14143-01-00



Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH

certifies that

Suzhou Talesun Solar Technologies Co., Ltd.
No.1 Talesun Road, Changkun Industrial Park, Shajiang,
Changshu, Suzhou City, Jiangsu Province, P. R. China
Post Code: 215542

has established and applies
an Occupational Health and Safety Management System for

Design, Manufacturing and Sales of Solar Cell and PV Module.

An audit was performed, Report No. **7482181053**.

Proof has been furnished that the requirements
according to

OHSAS 18001:2007

are fulfilled.

The certificate is valid in conjunction
with the main-certificate from **2018-07-27** until **2021-03-11**.

Certificate Registration No.: **12 116 43804/01 TMS**.

M. Wege

Product Compliance Management
Munich, 2018-07-20



Deutsche
Akkreditierungsstelle
D-ZM-14143-01-00

证书

TÜV SÜD 管理服务有限公司

认证部

兹证明

騰暉技術（泰國）有限公司

泰国罗勇府伯乐当县马央喷镇第六村门牌71473

邮政编码: 21140

在以下适用范围

建立和实施了职业健康安全管理体系

太阳能电池和组件的制造和销售。

通过审核，报告号：**7482181053**

证明该体系满足

OHSAS 18001:2007

的要求。

本证书须与主证书同时使用时才有效。

有效期从2018年07月27日至2021年03月11日。

证书注册号: 12 116 43804/02 TMS.

Mr. Wegman

Product Compliance Management

慕尼黑, 2018年07月20日



Deutsche
Akkreditierungsstelle
D-2M-14143-01-00



Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH

certifies that

Talesun Technologies (Thailand) Co., Ltd.
7/473 Moo.6 Mabyangporn, Pluakdaeng, Rayong, Thailand
Post Code: 21140

has established and applies
an Occupational Health and Safety Management System for

Manufacturing and Sales of Solar Cell and PV Module.

An audit was performed, Report No. **7482181053**.

Proof has been furnished that the requirements
according to

OHSAS 18001:2007

are fulfilled.

The certificate is valid in conjunction
with the main-certificate from **2018-07-27** until **2021-03-11**.

Certificate Registration No.: **12 116 43804/02 TMS**.

M. Wegmann

Product Compliance Management
Munich, 2018-07-20



Deutsche
Akkreditierungsstelle
D-ZM-14143-01-00

ZERTIFIKAT ■ CERTIFICATE ■ CERTIFICADO ■ CERTIFICAT ■ 認證證書 ■



Management Service

รับรอง

สถาบันรับรอง

ทศ. TÜV SÜD Management Service GmbH

รับรองว่า

บริษัท เทลซัน เทคโนโลยี (ไทยแลนด์) จำกัด

ที่อยู่ : เลขที่ 7/473 หมู่ 6 ตำบลบางยางพร อำเภอปลวกแดง จังหวัดระยอง
21140 ไทยแลนด์

สำหรับระบบ

การผลิตและจัดจำหน่ายแผ่นเซลล์และแผงโซลาร์เซลล์

ได้จัดทำและดำเนินการระบบ อาชีวอนามัย และความปลอดภัย,

จากการตรวจสอบ ตามงานเลขที่ **7482181053,**

ภายใต้ข้อกำหนดมาตรฐาน

OHSAS 18001:2007

ใบรับรองจะมีใช้ร่วมกับ

ใบรับรองหลัก โดยใช้ได้ตั้งแต่ **2018-07-27** จนถึง **2021-03-11,**

หมายเลขใบรับรอง: **12 116 43804/02 TMS.**

M. Wege

Product Compliance Management
Munich, 2018-07-20



Deutsche
Akkreditierungsstelle
D-ZM-14143-01-00



Management Service

证书

TUV SUD 管理服务有限公司

认证部

兹证明

苏州腾晖光伏技术有限公司

中国江苏省苏州常熟市沙家浜镇常昆工业园区腾晖路1号

邮政编码: 215542

包括以下地点和适用范围

详见附件

建立和实施了职业健康安全管理体系

通过审核(报告号: 70796402)

证明该体系满足

OHSAS 18001:2007

的要求。

本证书的有效期从2018年07月27日至2021年03月11日。

证书注册号: 12 116 43804 TMS。

M. Wegner

Product Compliance Management

慕尼黑, 2018年07月20日



Deutsche
Akkreditierungsstelle
D-2M-14143-01-00

第1页, 共2页

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Management Service

附件

证书注册号: 12 116 43804 TMS

地点	适用范围
苏州腾晖光伏技术有限公司 中国江苏省苏州常熟市沙家浜镇常昆工业园区 腾晖路1号 邮政编码: 215542	太阳能电池和组件的设计、制造和销售
腾晖技术(泰国)有限公司 泰国罗勇府伯乐当县马央顿镇第六村门牌7/473 邮政编码: 21140	太阳能电池和组件的制造和销售

M. Wegner

Product Compliance Management
慕尼黑, 2018年07月20日



Deutsche
Akkreditierungsstelle
D-ZM-14143-01-00

第2页, 共2页



Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH

certifies that

Suzhou Talesun Solar Technologies Co., Ltd.
No.1 Talesun Road, Changkun Industrial Park, Shajiang,
Changshu, Suzhou City, Jiangsu Province, P. R. China
Post Code: 215542

Including the sites and scope of application
see enclosure

has established and applies
an Occupational Health and Safety Management System.

An audit was performed, Report No. **70796402**.

Proof has been furnished that the requirements
according to

OHSAS 18001:2007

are fulfilled.

The certificate is valid from **2018-07-27** until **2021-03-11**.

Certificate Registration No.: **12 116 43804 TMS**.

M. Wegner

Product Compliance Management
Munich, 2018-07-20



Deutsche
Akkreditierungsstelle
D-ZM-14143-01-00



Management Service

**Enclosure of Certificate Registration No.:
12 116 43804 TMS**

Sites	Scope of application
Suzhou Talesun Solar Technologies Co., Ltd. No. 1 Talesun Road, Changkun Industrial Park, Shajiabang, Changshu, Suzhou City, Jiangsu Province, P. R. China Post Code: 215542	Design, Manufacturing and Sales of Solar Cell and PV Module
Talesun Technologies (Thailand) Co., Ltd. 7/473 Moo.6 Mabyangporn, Pluakdaeng, Rayong, Thailand Post Code: 21140	Manufacturing and Sales of Solar Cell and PV Module

M. Wege

Product Compliance Management
Munich, 2018-07-20



Deutsche
Akkreditierungsstelle
D-ZM-14143-01-00



Management Service

证书

TÜV SÜD 管理服务有限公司

认证部

兹证明

苏州腾晖光伏技术有限公司

中国江苏省苏州常熟市沙家浜镇常昆工业园区腾晖路1号

邮政编码: 215542

在以下适用范围

建立和实施了职业健康安全管理体系

太阳能电池和组件的设计、制造和销售。

通过审核, 报告号: **7482181053**

证明该体系满足

OHSAS 18001:2007

的要求。

本证书须与主证书同时使用时才有效,

有效期从**2018年07月27日**至**2021年03月11日**。

证书注册号: **12 116 43804/01 TMS**。

M. Wege

Product Compliance Management

慕尼黑, 2018年07月20日



Deutsche
Akkreditierungsstelle
D-ZM-14143-01-00

ZERTIFIKAT ■ CERTIFICATE ■ CERTIFICADO ■ CERTIFICAT ■ 認證證書



Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH

certifies that

Suzhou Talesun Solar Technologies Co., Ltd.
No.1 Talesun Road, Changkun Industrial Park, Shajiabang,
Changshu, Suzhou City, Jiangsu Province, P. R. China
Post Code: 215542

has established and applies
an Occupational Health and Safety Management System for

Design, Manufacturing and Sales of Solar Cell and PV Module.

An audit was performed, Report No. **7482181053.**

Proof has been furnished that the requirements
according to

OHSAS 18001:2007

are fulfilled.

The certificate is valid in conjunction
with the main-certificate from **2018-07-27** until **2021-03-11.**

Certificate Registration No.: **12 116 43804/01 TMS.**

M. Wege

Product Compliance Management
Munich, 2018-07-20



Deutsche
Akkreditierungsstelle
D-ZM-14143-01-00

证书

TÜV SÜD 管理服务有限公司
认证部

茲證明

腾晖技术（泰国）有限公司
泰国罗勇府伯乐当县马央喷镇第六村门牌7/473
邮政编码：21140

在以下适用范围
建立和实施了职业健康安全管理体系

太阳能电池和组件的制造和销售。

通过审核，报告号：**7482181053**
证明该体系满足

OHSAS 18001:2007

的要求。

本证书须与主证书同时使用时才有效，
有效期从**2018年07月27日至2021年03月11日**。

证书注册号: 12 116 43804/02 TMS

Ms. Wege

Product Compliance Management
慕尼黑, 2018年07月20日



Deutsche
Akkreditierungsstelle
D-ZM-14143-01-00

CERTIFICATE

**The Certification Body
of TÜV SÜD Management Service GmbH**

certifies that

Talesun Technologies (Thailand) Co., Ltd.
7/473 Moo.6 Mabyangporn, Pluakdaeng, Rayong, Thailand
Post Code: 21140

has established and applies
an Occupational Health and Safety Management System for

Manufacturing and Sales of Solar Cell and PV Module

An audit was performed. Report No. 7482181053

Proof has been furnished that the requirements
according to

OHSAS 18001:2007

are fulfilled.

The certificate is valid in conjunction
with the main-certificate from **2018-07-27** until **2021-03-11**

Certificate Registration No.: 12 116 43804/02 TMS.

Ms. Wege

Product Compliance Management
Munich, 2018-07-20



Deutsche
Akkreditierungsstelle
D-2M-14143-01-00



Management Service

รับรอง

สถาบันรับรอง
ของ TÜV SÜD Management Service GmbH

รับรองว่า

บริษัท เทลชั่น เทคโนโลยี (ไทยแลนด์) จำกัด
ที่อยู่ : เลขที่ 7/473 หมู่ 6 ตำบลมาบยางพร อำเภอลำลูกเกด จังหวัดระยอง
21140 ไทยแลนด์

สำหรับขอบเขต

การผลิตและจัดจำหน่ายแผ่นแผ่นเคลือบและแผ่นโซลาร์เซลล์

ได้จัดทำและดำเนินการระบบ อาชีวอนามัย และความปลอดภัย,

จากการตรวจสอบ รายงานเลขที่ **7482181053**,

ภายใต้ข้อกำหนดมาตรฐาน

OHSAS 18001:2007

ใบรับรองนี้จะใช้ร่วมกับ

ใบรับรองหลัก โดยให้ใช้ตั้งแต่ **2018-07-27** จนถึง **2021-03-11**.

หมายเลขใบรับรอง: **12 116 43804/02 TMS**.

M. Wege

Product Compliance Management
Munich, 2018-07-20



Deutsche
Akkreditierungsstelle
D-ZM-14143-01-00

ZERTIFIKAT ■ CERTIFICATE ■ CERTIFICADO ■ CERTIFICAT

認證證書



Product Service

CERTIFICATE

No. Z2 078488 0081 Rev. 03

Holder of Certificate: Suzhou Talesun Solar Technologies Co., Ltd.

No. 1 Talesun Road
Changkun Industrial Park
Shajiabang Town, Changshu
215542 Suzhou, Jiangsu Province
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product:

Crystalline Silicon Terrestrial Photovoltaic (PV) Modules
Mono-Crystalline Silicon Photovoltaic Module

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. See also notes overleaf.

Test report no.: 704061617109-06

Valid until: 2025-02-14

Date, 2020-02-17

(Zhulin Zhang)

CERTIFICATE

No. Z2 078488 0081 Rev. 03

Model(s):

1000 VDC system voltage modules:

TP672M-xxx, xxx= 290 to 420 in step of 5

TP660M-xxx, xxx= 235 to 350 in step of 5

TP6H72M-xxx, xxx = 335 to 405 in step of 5

TP6H60M-xxx, xxx= 280 to 335 in step of 5

TP6F72M-xxx, xxx= 380 to 425 in step of 5

TP6F60M-xxx, xxx= 315 to 355 in step of 5

1500 VDC system voltage modules:

TP672M(H)-xxx, xxx=300 to 420 in step of 5

TP660M(H)-xxx, xxx= 250 to 350 in step of 5

TP6H72M(H)-xxx, xxx= 335 to 405 in step of 5

TP6H60M(H)-xxx, xxx= 280 to 335 in step of 5

TP6F72M(H)-xxx, xxx= 380 to 425 in step of 5

TP6F60M(H)-xxx, xxx= 315 to 355 in step of 5

xxx is standing for rated output power at STC

Parameters:

Construction: Framed, with Junction box, Cable and Connectors.

Application Class: Class A

Maximum System

Voltage: 1000 V DC or 1500 V DC

Fire Safety Class: Class C

PID Test Condition: ± 1000 V DC, 96h, 85°C, 85%RH
or -1000 V DC, 192h, 85°C, 85%RH
or -1500 V DC, 192h, 85°C, 85%RH
or -1500 V DC, 96h, 85°C, 85%RH

PID testing method is according to IEC TS 62804-1:2015

Tested
according to:

IEC 61215(ed.2)

IEC 61730-1(ed.1):am1:am2

IEC 61730-2(ed.1):am1

PPP 58042B:2015

Production Facility(ies):

078488, 096715

gates



Certificat 2020*

PV CYCLE France SAS
Certifie que la société

Talesun Solar Germany

est adhérente de PV CYCLE France SAS, éco-organisme sans but lucratif agréé par les pouvoirs publics
pour la collecte et le recyclage des panneaux photovoltaïques usagés en France

www.pvcycle.fr

Jan Clyncke
Président p.p.

Paris
02/01/2020

* La validité de ce certificat peut être vérifiée à l'adresse <http://extranet.pvcycle.org/> à l'aide du numéro de certificat e4334493

PV CYCLE France SAS au capital variable de 54 000 €, 13 Rue du Quatre-Septembre, 75002 Paris, RCS Paris 800 547 499