



ISET S.r.l.

Sede Legale e Uffici

Via Donatori di sangue, 9 - 46024 Moglia (MN)

Tel. e fax +39 (0)376 598963

www.iset-italia.eu iset@iset-italia.com

Cap. soc. i.v.

€ 10.200,00

Cod. Fisc. e P.IVA Reg. Imprese

02 332 750 369

REA

02 332 750 369

Cap. soc. i.v.

MN 0221098

CERTIFICATE

Certificat - Certificado- Сертификат - Zertifikat - 證書

- 1) **APPLICANT:** (who finally puts the product on the market)
Suntree Electric Group Co., Ltd.
Xinguang Industrial Zone, Liushi Town, Yueqing City, Zhejiang Province 325604, P. R. China
- 2) **CERTIFICATE NO.:** I/ISETC.000820190920
FILE REFERENCE: SCC(19)-60402A-LVD
- 3) **ISET MARK:**



- 4) **CAUTION ABOUT CE MARKING** (Instruction for the Applicant who puts the product on the EU market):



The label of the CE Marking on the left side should be not less than 5mm height. CE Marking and EC Declaration of Conformity are duties for the manufacturer or its applicant who puts the product on the market. This one is responsible to start the CE marking and certification procedure as required by the legislation in force. Only for the products which are compulsorily included into specific Directives or Regulations will be necessary to appoint a Notified Body.

- 5) **TYPE OF PRODUCT:** Surge Protector Device
MODEL(S): SUP1-40 1P AC275V, 2P AC275V, 3P AC385V, AC420V, 4P AC385V,
AC420V, 10-20kA, 20-40kA, 30-60kA, 40-80kA, 50-100kA, 60-120kA
- 6) **LIST OF DIRECTIVES / REGULATIONS /STANDARDS** (as declared by the manufacturer itself)
Low Voltage Directive 2014/35/EU
EN 61643-11:2012
- 7) **NOTE:** The applicant is aware about the contents and information included in the ModCOM04.06 Regulation for this type of Certificate that is considered totally accepted. The latest revision of the Regulation is available and can be downloaded from the website www.iset-italia.eu. This document is not referred to any evaluation that could be considered as included in the scope of the activities covered by the standard BS EN ISO/IEC 17065:2012 or European Regulation 765/2008.
- 8) **REMARK:** Certificate is issued on voluntary application from the Client and it gives to the applicant the right to use and affix the ISET Mark (at point 3) on their products, even if it doesn't imply any assessment on the safety and compliance of the product. ISET declares that the only scope of the assessment is to verify the existence of the declaration issued by the manufacturer or an applicant under its own responsibilities.
- 9) **DATE OF ISSUE:** 20/09/2019 **EXPIRY DATE:** 19/09/2024

- 10) **SIGNATURE:** Li Zhang

(On behalf of the Legal representative)



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ISET S.r.l. Unipersonale

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Suntree Electric Group Co., Ltd.
Xinguang Industrial Zone, Liushi Town, Yueqing City, Zhejiang Province 325604, P. R. China
- 2) **CERTIFICATE NO.:** ISETC.001420200414
FILE REFERENCE: SCC(20)-60139A-LVD
- 3) **ISET MARK:**



- 4) **CAUTION ABOUT CE MARKING** (Instruction for the Applicant who puts the product on the EU market):



The label of the CE Marking on the left side should be not less than 5mm height. CE Marking and EC Declaration of Conformity are duties for the manufacturer or its applicant who puts the product on the market. This one is responsible to start the CE marking and certification procedure as required by the legislation in force. Only for the products which are compulsorily included into specific Directives or Regulations will be necessary to appoint a Notified Body.

- 5) **TYPE OF PRODUCT:** Surge Protector Device

MODEL(S): SUP2-DC

1P, 2P, 3P.

500VDC, 1000VDC.

T2: In(8/20):20kA I_{max}(8/20):50kA .

T1:limp(10/350):7kA.

- 6) **LIST OF DIRECTIVES / REGULATIONS /STANDARDS** (as declared by the manufacturer itself)
Low Voltage Directive 2014/35/EU, EN 61643-11:2012+A11:2018
- 7) **NOTE:** The applicant is aware about the contents and information included in the ModCOM04.06 Regulation for this type of Certificate that is considered totally accepted. The latest revision of the Regulation is available and can be downloaded from the website www.iset-italia.eu. This document is not referred to any evaluation that could be considered as included in the scope of the activities covered by the standard BS EN ISO/IEC 17065:2012 or European Regulation 765/2008.
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- 9) **DATE OF ISSUE:** 14/04/2020
- 10) **SIGNATURE:** Xiao Ming

EXPIRY DATE: 13/04/2025

(On behalf of the Legal representative)





Ref. Certif. No.

HU-002692

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

PV SPD

Name and address of the applicant

Suntree Electric Group Co., Ltd.
Xinguang Industrial Zone, Liushi Town, Yueqing City,
Zhejiang Province 325604, P.R. China

Name and address of the manufacturer

Suntree Electric Group Co., Ltd.
Xinguang Industrial Zone, Liushi Town, Yueqing City,
Zhejiang Province 325604, P.R. China

Name and address of the factory

Suntree Electric Group Co., Ltd.
Xinguang Industrial Zone, Liushi Town, Yueqing City,
Zhejiang Province 325604, P.R. China

Note: When more than one factory, please report on page 2

Ratings and principal characteristics

Nominal discharge current (I_n): 20kA,
Max. discharge current (I_{max}): 40kA,
Max. continuous operation voltage (U_{CPV}): DC 500V,
Voltage protect level (U_p): 2.8kV (+ to PE, - to PE),
IP code: IP20,
Short-circuit current rating (I_{scCR}): 10A,
Test Class: Class II

Trademark (if any)



Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

SUP2H-PV, PMUP9-40

Additional information (if necessary may also be reported on page 2)

A sample of the product was tested and found to be in conformity with

IEC 61643-31:2018

As shown in the Test Report Ref. No. which forms part of this Certificate

19041711D

This CB Test Certificate is issued by the National Certification Body



TÜVRheinland®

TÜV Rheinland InterCert Kft., Division MEEI
H-1132 Budapest, Váci út 48/A-B
www.tuv.com

Date: 2019-08-15

Signature:



Gabor Kassai



Ref. Certif. No.

HU-002691

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

PV SPD

Name and address of the applicant

Suntree Electric Group Co., Ltd.
Xinguang Industrial Zone, Liushi Town, Yueqing City,
Zhejiang Province 325604, P.R. China

Name and address of the manufacturer

Suntree Electric Group Co., Ltd.
Xinguang Industrial Zone, Liushi Town, Yueqing City,
Zhejiang Province 325604, P.R. China

Name and address of the factory

Suntree Electric Group Co., Ltd.
Xinguang Industrial Zone, Liushi Town, Yueqing City,
Zhejiang Province 325604, P.R. China

Note: When more than one factory, please report on page 2

Ratings and principal characteristics

Max. continuous operation voltage (U_{CEV}): DC 1000V,
Nominal discharge current (I_n): 20kA,
Max. discharge current (I_{max}): 40kA,
Voltage protect level (U_p): 3.6kV (+ to PE, - to PE),
IP code: IP20,
Short-circuit current rating (I_{scCR}): 10A,
Test Class: Class II

Trademark (if any)



Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

SUP2H1-PV, SUP4H1-S40

Additional information (if necessary may also be reported on page 2)

A sample of the product was tested and found to be in conformity with

IEC 61643-31:2018

As shown in the Test Report Ref. No. which forms part of this Certificate

19041711A

This CB Test Certificate is issued by the National Certification Body



TÜVRheinland®

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H-1132 Budapest, Váci út 48/A-B
www.tuv.com



Date: 2019-08-15

Signature:

Gabor Kassai



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MN 0221098

CERTIFICATE

Certificat - Certificado- Сертификат - Zertifikat - 證書

- 1) **APPLICANT:** (who finally puts the product on the market)
Suntree Electric Group Co., Ltd.
Xinguang Industrial Zone, Liushi Town, Yueqing City, Zhejiang Province 325604, P. R. China
- 2) **CERTIFICATE NO.:** ISETC.001520200414
FILE REFERENCE: SCC(20)-60138A-LVD
- 3) **ISET MARK:**



- 4) **CAUTION ABOUT CE MARKING** (Instruction for the Applicant who puts the product on the EU market):



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- 5) **TYPE OF PRODUCT:** Surge Protector Device

MODEL(S): SUP2-T1/T2

1P, 2P, 1P+N, 3P, 3P+N, 4P.

275VAC, 385VAC, 420VAC

T2:In(8/20):20kA I_{max}(8/20):65kA

T1: I_{imp}(10/350):7kA

- 6) **LIST OF DIRECTIVES / REGULATIONS / STANDARDS** (as declared by the manufacturer itself)

Low Voltage Directive 2014/35/EU, EN 61643-11:2012+A11:2018

- 7) **NOTE:** The applicant is aware about the contents and information included in the ModCOM04.06 Regulation for this type of Certificate that is considered totally accepted. The latest revision of the Regulation is available and can be downloaded from the website www.iset-italia.eu. This document is not referred to any evaluation that could be considered as included in the scope of the activities covered by the standard BS EN ISO/IEC 17065:2012 or European Regulation 765/2008.

- 8) **REMARK:** Certificate is issued on voluntary application from the Client and it gives to the applicant the right to use and affix the ISET Mark (at point 3) on their products, even if it doesn't imply any assessment on the safety and compliance of the product. ISET declares that the only scope of the assessment is to verify the existence of the declaration issued by the manufacturer or an applicant under its own responsibilities.

- 9) **DATE OF ISSUE:** 14/04/2020

EXPIRY DATE: 13/04/2025

- 10) **SIGNATURE:** Xiao Ming

(On behalf of the Legal representative)





Ref. Certif. No.

HU-003466

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

PV Surge Protective Device

Name and address of the applicant

SUNTREE Electric Group Co., Ltd.
Xinguang Industrial Zone,
Liushi Town, Yueqing City, Zhejiang, P.R. China

Name and address of the manufacturer

SUNTREE Electric Group Co., Ltd.
Xinguang Industrial Zone,
Liushi Town, Yueqing City, Zhejiang, P.R. China

Name and address of the factory

SUNTREE Electric Group Co., Ltd.
Xinguang Industrial Zone,
Liushi Town, Yueqing City, Zhejiang, P.R. China

Ratings and principal characteristics

UCPV: 1500 VDC, In: 20 kA, Imax: 40 kA, PV T2,
Itotal (8/20µs): 40 kA, Up: 5.0 kV, ISCPV: 10A

Trademark (if any)

Suntree (logo)

Customer's Testing Facility (CTF) Stage used

N/A

Model / Type Ref.

SUP2-PV, SUP4-S40

Additional information (if necessary may also be reported on page 2)

Detailed information refer to test report CN21JCTT 001

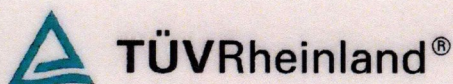
A sample of the product was tested and found to be in conformity with

IEC 61643-31:2018

As shown in the Test Report Ref. No. which forms part of this Certificate

CN21JCTT 001

This CB Test Certificate is issued by the National Certification Body



TÜV Rheinland InterCert Kft., MEEI Division
H-1143 Budapest, Gizella út 51-57., Hungary
Web:www.tuv.com

Wencai Zhang

Date: 2021-09-01

Signature:

Wencai Zhang

10001 CB 06/2019/K



Ref. Certif. No.

HU-004142

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Surge Protective Device for PV application

Name and address of the applicant

SUNTREE Electric Group Co., Ltd.
Xinguang Industrial Zone, Liushi Town, Yueqing City,
Zhejiang
P.R. China

Name and address of the manufacturer

SUNTREE Electric Group Co., Ltd.
Xinguang Industrial Zone, Liushi Town, Yueqing City,
Zhejiang
P.R. China

Name and address of the factory

Note: When more than one factory, please report on page 2

SUNTREE Electric Group Co., Ltd.
Xinguang Industrial Zone, Liushi Town, Yueqing City,
Zhejiang
P.R. China

Ratings and principal characteristics

Ucpv:1200 VDC;PV T2 In=20kA;Imax=40kA; Up:4.0kV;
Itotal:40kA; Iscpv:10A; Indoor; One port; IP20

Trademark / Brand (if any)

Suntree (logo)

Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

SUP2H2-PV, SUP4H2-S40

Additional information (if necessary may also be reported on page 2)

N/A

A sample of the product was tested and found to be in conformity with

IEC 61643-31:2018

As shown in the Test Report Ref. No. which forms part of this Certificate

CN220MQP 001

This CB Test Certificate is issued by the National Certification Body



TÜV Rheinland InterCert Kft., MEEI Division
H-1143 Budapest, Gizella út 51-57., Hungary
Web: www.tuv.com

Date: 2022-11-13

Signature:

Wencai Zhang

10/061SMD 2022-07 rke-fix



Ref. Certif. No.

HU-004146

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Surge Protective Device for PV application

Name and address of the applicant

SUNTREE Electric Group Co., Ltd.
Xinguang Industrial Zone, Liushi Town, Yueqing City,
Zhejiang
P.R. China

Name and address of the manufacturer

SUNTREE Electric Group Co., Ltd.
Xinguang Industrial Zone, Liushi Town, Yueqing City,
Zhejiang
P.R. China

Name and address of the factory

Note: When more than one factory, please report on page 2

SUNTREE Electric Group Co., Ltd.
Xinguang Industrial Zone, Liushi Town, Yueqing City,
Zhejiang
P.R. China

Ratings and principal characteristics

Ucpv:600 VDC; PV T2 In=20kA; Imax=40kA; Up:2.8kV;
Itotal:40kA; Iscpv:10A; Indoor; One port; IP20

Trademark / Brand (if any)

Suntree (logo)

Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

SUP2H6-PV, SUP4H6-S40

Additional information (if necessary may also be reported on page 2)

N/A

A sample of the product was tested and found to be in conformity with

IEC 61643-31:2018

As shown in the Test Report Ref. No. which forms part of this Certificate

CN22K4LM 001

This CB Test Certificate is issued by the National Certification Body



TÜV Rheinland InterCert Kft., MEEI Division
H-1143 Budapest, Gizella út 51-57., Hungary
Web: www.tuv.com

Date: 2022-11-13

Signature: Wencai Zhang

10/061SMD 2022-07 rke-fix

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Surge Protective Device for PV application

Name and address of the applicant

SUNTREE Electric Group Co., Ltd.
Xinguang Industrial Zone, Liushi Town, Yueqing City,
Zhejiang
P.R. China

Name and address of the manufacturer

SUNTREE Electric Group Co., Ltd.
Xinguang Industrial Zone, Liushi Town, Yueqing City,
Zhejiang
P.R. China

Name and address of the factory

Note: When more than one factory, please report on page 2

SUNTREE Electric Group Co., Ltd.
Xinguang Industrial Zone, Liushi Town, Yueqing City,
Zhejiang
P.R. China

Ratings and principal characteristics

Ucpv:800 VDC; PV T2 In=20kA; Imax=40kA; Up:3.0kV
Itotal:40kA; Iscpv:10A; Indoor; One port; IP20

Trademark / Brand (if any)

Suntree (logo)

Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

SUP2H8-PV, SUP4H8-S40

Additional information (if necessary may also be reported on page 2)

N/A

A sample of the product was tested and found to be in conformity with

IEC 61643-31:2018

As shown in the Test Report Ref. No. which forms part of this Certificate

CN22GQTE 001

This CB Test Certificate is issued by the National Certification Body



TÜV Rheinland InterCert Kft., MEEI Division
H-1143 Budapest, Gizella út 51-57., Hungary
Web: www.tuv.com

Date: 2022-11-13

Signature:



Wencai Zhang