

Zertifikat

Certificate



Zertifikat Nr. Certificate No.
R 50443519

Blatt Sheet
0001

Ihr Zeichen Client Reference
M.L.

Unser Zeichen Our Reference
01-Wuchale-50260235 001

Ausstellungsdatum Date of Issue
19.08.2019 (day/mo/yr)

Genehmigungsinhaber License Holder

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

Fertigungsstätte Manufacturing Plant

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

Prüfzeichen Test Mark



Geprüft nach Tested acc. to
EN 61643-31:2019

Zertifiziertes Produkt (Geräteidentifikation) Certified Product (Product Identification)

Lizenzentgelte - Einheit License Fee - Unit

Surge Protector Surge Protective Device for PV system

Type Designation	: SUP2H1-PV, SUP4H1-S40 (SUNTREE)	6
Maximum continuous operating voltage (Ucpv)	: DC 1000 V	
Voltage protection level (Up)	: 3.6 kV(+ to PE, - to PE)	
Short-circuit current rating (Iscpv)	: 10 A	
Nominal discharge current (In)	: 20 kA	
Maximum discharge current (Imax)	: 40 kA	
Type of SPD	: Type 2	
Location	: Indoor	
Temperatures	: -40°C to +70°C	

Remark: test according to IEC 61643-31:2018 was considered.

6

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



Zertifizierungsstelle

Zhao Xinhua

CERTIFICATE



of Conformity Low Voltage Directive 2014/35/EU

Registration No.: AN 50444051 0001

Report No.: 50260235 001

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

Product: Surge Protector
Surge Protective Device for PV system

Identification:

Type Designation	: SUP2H1-PV, SUP4H1-S40
Series number	: Engineering samples
Ucpv	: DC 1000 V
In	: 20 kA
Up	: 3.6 kV(+ to PE, - to PE)
Test according to	: EN 61643-31:2019

Remark: This certificate issued together with R50443519 0001

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with Annex I of Council Directive 2014/35/EU, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex IV of the Directive.

Certification Body



Date 19.08.2019

Zhao Xinhua

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CE The CE marking may be used if all relevant and effective EC Directives are complied with.



Suntree Electric Group Co., Ltd.
Maggie Liu

Date : 19.08.2019
Our ref. : Wuchale 01
Your ref.: M.L.

-
Xinguang Industrial Zone,
Liushi Town, Yueqing City,
Zhejiang Province 325604
P. R. China

Ref : AN Certificate of Conf. Low Voltage D.

Type of Equipment : Surge Protective Device for PV system
Model Designation : See Certificate
Certificate No. : AN 50444051 0001
Report No. : 50260235 001

Dear Maggie Liu,

A specimen of above mentioned product has been tested and found to be technically in compliance with § 20 and § 21 of the ProdSG (= Product Safety Act).

The certificate is issued with the reservation that the licence holder applies all information required in § 6 of the ProdSG related to name and address of the manufacturer or his authorized representative / importer including their respective addresses on the product prior to marketing the product in the European Economic Area. Enclosed please find the certificate of approval No. AN 50444051 0001.

If cancellation of the certificate is submitted by November 15 in a given year, no fee will be charged for the following year.

Please contact our office for approval of your new products.

With kind regards,

Certification Body



Zhao Xinhua

CC: Suntree Electric Group Co., Ltd.

Enclosure

证书的详细资料请登录www.tuvdotcom.com 查阅, 或拨打我司客服热线 800 999 3668/400 883 1300 咨询



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_{cPV}): 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_{scrr}): 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®

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

Date: 2019-08-15

Signature:



Gabor Kassai