

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50410592

Blatt *Sheet*  
0001

Ihr Zeichen *Client Reference*  
Mr. Jaubert

Unser Zeichen *Our Reference*  
01-QJL-15083814 011

Ausstellungsdatum *Date of Issue*  
14.06.2018 (day/mo/yr)

Genehmigungsinhaber *License Holder*  
Canadian Solar Inc.  
545 Speedvale Ave West  
Guelph, Ontario N1K 1E6  
Canada

Fertigungsstätte *Manufacturing Plant*  
030-0000616910

## Prüfzeichen *Test Mark*



Bauart geprüft  
Sicherheit  
Regelmäßige  
Produktions-  
überwachung

www.tuv.com  
ID 1419059134

## Geprüft nach *Tested acc. to*

IEC 62109-1:2010  
IEC 62109-2:2011  
EN 62109-1:2010  
EN 62109-2:2011

Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)*

Lizenzentgelte - Einheit  
*License Fee - Unit*

PV-Wechselrichter (Grid-connected PV Inverter)

Type Designation : CSI-15KTL-GI-LFL  
CSI-20KTL-GI-LFL  
Vmax PV [Vd.c.] : 1000  
Isc PV [Ad.c.] : 26\*2,26\*2  
MPP Voltage Range [Vd.c.] : 200-800  
Max. Input Current [Ad.c.] : 20\*2,20\*2  
Overvoltage Category (OVC) : II for PV  
Rated Output Voltage [Va.c.] : 3~220  
Rated Output Frequency [Hz] : 50/60  
Rated Output Power [kW] : 15,20  
Max. Output Current [Aa.c.] : 39.4, 52.5  
Power Factor : [-0.80, 0.80]  
Overvoltage Category (OVC) : III for AC mains  
Continued on page 0002

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ANLAGE (Appendix): 1

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



Weichun Li

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50410592

Blatt *Sheet*  
0002

Ihr Zeichen *Client Reference*  
Mr. Jaubert

Unser Zeichen *Our Reference*  
01-QJL-15083814 011

Ausstellungsdatum *Date of Issue*  
14.06.2018 (day/mo/yr)

Genehmigungsinhaber *License Holder*  
Canadian Solar Inc.  
545 Speedvale Ave West  
Guelph, Ontario N1K 1E6  
Canada

Fertigungsstätte *Manufacturing Plant*  
030-0000616910

## Prüfzeichen *Test Mark*



## Geprüft nach *Tested acc. to*

IEC 62109-1:2010  
IEC 62109-2:2011  
EN 62109-1:2010  
EN 62109-2:2011

Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)*

Lizenzentgelte - Einheit  
*License Fee - Unit*

PV-Wechselrichter (Grid-connected PV Inverter)

as page 0001 Continuation

Protective Class : I  
Enclosure Protection (IP) : IP65  
Pollution degree (PD) : PD 2 (inside), PD3 (outside)  
Altitude [m] : 2000  
Operating Temperature [°C] : -25 to 65 (> 45 derating)  
Type of Inverter : Non-isolated

### Remark:

The installation has to be carried out according to the  
Any additional requirements in countries where the product  
is going to be marketed have to be considered additionally.

ANLAGE (Appendix): 1

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

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Weichun Li

# C E R T I F I C A T E



of Conformity  
Low Voltage Directive 2014/35/EU

Registration No.: AN 50410595 0001

Report No.: 15083814 011

**Holder:** Canadian Solar Inc.  
545 Speedvale Ave West  
Guelph, Ontario N1K 1E6  
Canada

**Product:** PV-Inverter  
(Grid-connected PV Inverter)

**Identification:** Type Designation : CSI-15KTL-GI-LFL CSI-20KTL-GI-LFL  
Serial Number : Engineering Sample  
Remark : Issued in conjunction with TÜV Rheinland  
license R 50410592 0001-0002

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 14.06.2018

  
Weichun Li

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. CE

Canadian Solar Inc.  
Mr. Jean-Nicolas Jaubert  
Certification Department  
545 Speedvale Ave West  
Guelph, Ontario N1K 1E6  
Canada

Date : 15.06.2018  
Our ref. : QJL 01  
Your ref.: Mr. Jaubert

**Ref : AN Certificate of Conf. Low Voltage D.**

Type of Equipment : Grid-connected PV Inverter  
Model Designation : See Certificate  
Certificate No. : AN 50410595 0001  
Report No. : 15083814 011

Dear Mr. Jean-Nicolas Jaubert,

We herewith confirm that a sample of the above mentioned technical equipment has been tested and was found to be in accordance with the relevant requirements.

Enclosed please find your Certificate of Conformity.

We appreciate your kind support and would like to offer our assistance and continuous services in the future.

With kind regards,

Certification Body

  
Weichun Li

Enclosure

证书的详细资料请登陆[www.certipedia.com](http://www.certipedia.com)查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询

Canadian Solar Inc.  
Mr. Jean-Nicolas Jaubert  
Certification Department  
545 Speedvale Ave West  
Guelph, Ontario N1K 1E6  
Canada

Date : 15.06.2018  
Our ref. : QJL 01  
Your ref.: Mr. Jaubert

**Ref : R TÜV-Mark Approval**

Type of Equipment : Grid-connected PV Inverter  
Model Designation : See Certificate  
Certificate No. : R 50410592 0001  
Report No. : 15083814 011

Dear Mr. Jean-Nicolas Jaubert,

The above specified equipment has been tested and found to be in accordance with the relevant requirements.

Please find enclosed your certificate as specified above.

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

The certificate is issued with the reservation that the license 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 contact addresses on the product prior to marketing of the product in the European Economic Area.

With kind regards,

Certification Body

  
Weichun Li

Enclosure

证书的详细资料请登陆[www.certipedia.com](http://www.certipedia.com)查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询