

Shenzhen LEMAX New Energy Co., Ltd  
Cindy Huang

Date : 04.11.2022  
Our ref. : Huanggho 01  
Your ref.: Cindy Huang

A301, Jian Creative Industry  
Center, No. 54 Jizheng Road,  
Buji Street, Longgang District  
Shenzhen  
518000 Guangdong  
P.R. China

Ref : AN Certificate of Conf. Low Voltage D.

Type of Equipment : Hybrid Inverter  
Model Designation : See Certificate  
Certificate No. : AN 50563646 0001  
Report No. : CN22PI7C 006

Dear Cindy Huang,

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

CC: NingBo Deye Inverter Technology

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

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



of Conformity  
Low Voltage Directive 2014/35/EU

Registration No.: AN 50563646 0001

Report No.: CN22PI7C 006

**Holder:** Shenzhen LEMAX New Energy Co., Ltd  
A301, Jian Creative Industry  
Center, No. 54 Jizheng Road,  
Buji Street, Longgang District  
Shenzhen  
518000 Guangdong  
P.R. China

**Product:** PV-Inverter  
(Hybrid Inverter)

**Identification:** Type Name : SUN-XK-SG04LP3-EU (X=5,6,8,10,12)  
Serial No.: Engineering Samples  
Remark(s) : Issued in conjunction with TÜV Rheinland  
license R50563516 0001-0005.

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 04.11.2022

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

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Shenzhen  
518000 Guangdong  
P.R. China

**Ref : R TÜV-Mark Approval**

Type of Equipment : Hybrid Inverter  
Model Designation : See Certificate  
Certificate No. : R 50563516 0001  
Report No. : CN22PI7C 006

Dear Cindy Huang,

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. In case you have a change regarding your involved local representative for the certificate, please inform us in due time.

With kind regards,

Certification Body

  
Weichun Li

cc: NingBo Deye Inverter Technology

Enclosure

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# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50563516

Blatt *Sheet*  
0001

Ihr Zeichen *Client Reference*  
Cindy Huang

Unser Zeichen *Our Reference*  
01-Huanggho-CN22PI7C

Ausstellungsdatum  
006 04.11.2022

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

**Genehmigungsinhaber *License Holder***

Shenzhen LEMAX New Energy Co., Ltd  
A301, Jian Creative Industry  
Center, No. 54 Jizheng Road,  
Buji Street, Longgang District  
Shenzhen  
518000 Guangdong  
P.R. China

**Fertigungsstätte *Manufacturing Plant***

040-0002097619

**Prüfzeichen *Test Mark***



Type Approved  
Safety  
Regular Production  
Surveillance

www.tuv.com  
ID 1111261136

**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-Inverter (Hybrid Inverter)

Type Designation	: SUN-XK-SG04LP3-EU (X=5 or 6 or 8 )	12
For PV String input side	: See below	
Vmax PV [Vd.c.]	: 800	
Isc PV [Ad.c.]	: 17+17	
MPP Voltage Range[Vd.c.]	: 200-650	
MPPT Full Power Voltage Range [Vd.c.]	: 350-650	
Max.Input Current [Ad.c.]	: 13+13	
Overvoltage Category (OVC)	: II for PV	
For Battery side	: See below	
Voltage range[Vd.c.]	: 40-60	
Max.charge/discharge Current [Ad.c.]	: 120/120 150/150 190/190	
Overvoltage Category (OVC)	: II	
Battery type	: Lead-acid or Li-Ion	

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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



Weichun Li



# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50563516

Blatt *Sheet*  
0003

Ihr Zeichen *Client Reference*  
Cindy Huang

Unser Zeichen *Our Reference*  
01-Huanggho-CN22PI7C 006 04.11.2022

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

Genehmigungsinhaber *License Holder*  
Shenzhen LEMAX New Energy Co., Ltd  
A301, Jian Creative Industry  
Center, No. 54 Jizheng Road,  
Buji Street, Longgang District  
Shenzhen  
518000 Guangdong  
P.R. China

Fertigungsstätte *Manufacturing Plant*  
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## Prüfzeichen *Test Mark*



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Safety  
Regular Production  
Surveillance

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

Lizenzentgelte - Einheit  
*License Fee - Unit*

PV-Inverter (Hybrid Inverter)

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as page 0002 continuation

Type Designation : SUN-XK-SG04LP3-EU  
(X=10 or 12)

For PV String input side : See below

Vmax PV [Vd.c.] : 800

Isc PV [Ad.c.] : 34+17

MPP Voltage Range[Vd.c.] : 200-650

MPPT Full Power Voltage Range[Vd.c.] : 350-650

Max.Input Current[Ad.c.] : 26+13

Overvoltage Category (OVC) : II for PV

For Battery side : See below

Voltage range[Vd.c.] : 40-60

Max.charge/discharge current[Ad.c.] : 210/210 240/240

Overvoltage Category (OVC) : II

Battery type : Lead-acid or Li-Ion

Continued on page 0004

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.  
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# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50563516

Blatt *Sheet*  
0004

Ihr Zeichen *Client Reference*  
Cindy Huang

Unser Zeichen *Our Reference*  
01-Huanggho-CN22PI7C 006 04.11.2022

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

**Genehmigungsinhaber *License Holder***  
Shenzhen LEMAX New Energy Co., Ltd  
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**Zertifiziertes Produkt (Geräteidentifikation)**  
*Certified Product (Product Identification)*

**Lizenzentgelte - Einheit**  
*License Fee - Unit*

PV-Inverter (Hybrid Inverter)

as page 0003 continuation  
For On-grid port : See below  
Rated Output Volt. [Va.c.] : 3L/N/PE, 220/380, 230/400  
Rated Output Freq. [Hz] : 50/60  
Rated Output Power [kW] : 10 12  
Max. Output Apparent Power [kVA] : 11 13.2  
Max. Output Curr. [Aa.c.] : 22.7/21.7 27.3/26.1  
Rated Output Current. [Aa.c.] : 15.2/14.5 18.2/17.4  
Power Factor : [-0.80, 0.80]  
Overvoltage Category (OVC) : III for AC mains  
Max. apparent power from Grid [kVA] : 11 13.2  
Max Current from Grid [Aa.c.] : 22.7/21.7 27.3/26.1

For GEN Port : See below  
Rated input Voltage [Va.c.] : 3L/N/PE, 220/380, 230/400  
Rated input Power. [kW] : 10 12  
Rated input Freq. [Hz] : 50/60  
Rated input Current. [Aa.c.] : 15.2/14.5 18.2/17.4

Continued on page 0005

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.  
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0005

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Cindy Huang

Unser Zeichen *Our Reference*  
01-Huanggho-CN22PI7C 006 04.11.2022

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

Genehmigungsinhaber *License Holder*  
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Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)*

Lizenzentgelte - Einheit  
*License Fee - Unit*

PV-Inverter (Hybrid Inverter)

as page 0004 continuation

For all models:

Protective Class : Class I  
Ingress Protection (IP) : IP65  
Pollution degree (PD) : PD3  
Altitude [m] : 2000  
Operating Temperature [°C] : -40 to 60 ( > 45 derating)  
Type of Inverter : Non-isolated

### Remark:

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

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.  
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