

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50356551

Blatt *Page*
0001

Ihr Zeichen *Client Reference*
8969331721

Unser Zeichen *Our Reference*
01-YYF-15101274 001

Ausstellungsdatum *Date of Issue*
29.08.2016 (day/mo/yr)

Genehmigungsinhaber *License Holder*
Global Mainstream Dynamic
Energy Technology Ltd.
Room 604-605, Tongpu Road
No. 1220, Putuo District
Shanghai
P.R. China

Fertigungsstätte *Manufacturing Plant*
Hangzhou Zhongheng Electric
Co., Ltd.
No.69, Dongxin Avenue,
Hangzhou High and New Technology
Industrial Development Zone,
Hangzhou, Zhejiang 310053
P.R. China

Prüfzeichen *Test Mark*



Bauart geprüft
Sicherheit
Regelmäßige
Produktions-
überwachung

www.tuv.com
ID 1419038956

Geprüft nach *Tested acc. to*

IEC 62109-1:2010
IEC 62477-1:2012
IEC 62109-2:2011
EN 62109-1:2010
EN 62109-2:2011
EN 62477-1:2012

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

Lizenzentgelte - Einheit *License Fee - Unit*

PV-Wechselrichter (Hybrid Inverter)

Type Designation : 1) Powervortex 304KTL 9
2) Powervortex 305KTL

V_{max} PV[Vd.c.] : 800
I_{sc} PV[Ad.c.] : 18.8
MPP Voltage Range[Vd.c.] : 150-700
Max. PV Input Current[Ad.c.] : 15.0
Battery Input Voltage Range[Vd.c.] : 120-500
Max. Charging Current[Ad.c.] : 18.0
Max. Discharging Current[Ad.c.] : 18.0

Rated Output Voltage[Va.c.] : 3/N/PE 400
Rated Output Frequency[Hz] : 50
Rated Output Power[kW] : 1) 4.0 2) 5.0
Max. Output Current[Aa.c.] : 1) 6.5 2) 8.0
Power Factor : [-0.80, 0.80]

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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



Weichun Li

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50356551

Blatt *Page*
0002

Ihr Zeichen *Client Reference*
8969331721

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Ausstellungsdatum *Date of Issue*
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Prüfzeichen *Test Mark*



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

Lizenzentgelte - Einheit *License Fee - Unit*

PV-Wechselrichter (Hybrid Inverter)

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Continuation

Protective Class : I
Enclosure Protection(IP) : IP65
Pollution Degree(PD) : PD2 (Inside)
PD3 (Outside)
Altitude[m] : 2000
Overvoltage Category : OVC II(PV), OVC III(Mains)
Operating Temperature Range[°C] : -25 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.

ANLAGE (Appendix): 1.0

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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.

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Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 http://www.tuv.com/safety



Weichun Li

Global Mainstream Dynamic Energy
Technology Ltd.
Jianduo Li
RD
Room 604-605, Tongpu Road
No. 1220, Putuo District
Shanghai
P.R. China

Date : 29.08.2016
Our ref. : YYF 01
Your ref.: 8969331721

Ref : R TÜV-Mark Approval

Type of Equipment : Hybrid Inverter
Model Designation : See Certificate
Certificate No. : R 50356551 0001
Report No. : 15101274 001

Dear Jianduo Li,

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

cc: Global Mainstream Dynamic

Enclosure

证书的详细资料请登陆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 50356610 0001

Report No.: 15101274 001

Holder: Global Mainstream Dynamic
Energy Technology Ltd.
Room 604-605, Tongpu Road
No. 1220, Putuo District
Shanghai
P.R. China

Product: PV-Inverter
(Hybrid Inverter)

Identification: Type Designation : Powervortex 304KTL Powervortex 305KTL
Serial Number : Engineering Sample
Remark : Issued in conjunction with TÜV Rheinland
license R 50356551 pages 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.



Date 29.08.2016

Wei-hun 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

Global Mainstream Dynamic Energy
Technology Ltd.
Jianduo Li
RD
Room 604-605, Tongpu Road
No. 1220, Putuo District
Shanghai
P.R. China

Date : 29.08.2016
Our ref. : YYF 01
Your ref.: 8969331721

Ref : AN Certificate of Conf. Low Voltage D.

Type of Equipment : Hybrid Inverter
Model Designation : See Certificate
Certificate No. : AN 50356610 0001
Report No. : 15101274 001

Dear Jianduo Li,

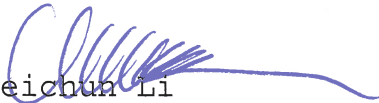
We herewith confirm that a sample of the above mentioned technical equipment has been tested and was found to be in accordance with the relevant requirements.

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: Global Mainstream Dynamic

Enclosure

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