Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*
R 50644703 0001

Berichtsnummer *Report No.:*
CN24812U 001

Genehmigungsinhaber *License Holder:*
NingBo Deye Inverter Technology
Co., Ltd.
No. 26 South YongJiang Road, Daqi,
Beilun NingBo
315800 Zhejiang
P.R. China

Fertigungsstätte *Manufacturing Site:*
NingBo Deye Inverter Technology
Co., Ltd.
No. 26 South YongJiang Road, Daqi,
Beilun NingBo
315800 Zhejiang
P.R. China

Prüfzeichen *Test Mark:*

TÜVRheinland® CERTIFIED
Type Approved
Safety
Regular Production
Surveillance
www.tuv.com
ID 1111290063

Geprüft nach *Tested according to:*
IEC 62109-2:2011
IEC 62109-1:2010
EN 62109-2:2011
EN 62109-1:2010

Geräteidentifikation
Product Identification

Produkt: *Product:*	PV-Inverter (Hybrid Inverter)
Modell: *Type:*	Modelle sind auf nächste(r) Seite(n) gelistet *Type designation(s) are listed on the next page(s)*
Technische Daten: *Technical Data:*	Refer to next page(s) ANLAGE (Appendix): 1.0

Gültig ab: *Valid from:* 2024-08-29

Ausstellungsdatum: *Date of issue:* 2024-08-29

Zertifizierungsstelle: *Certification body:*

Dean Cao

TÜV Rheinland LGA Products GmbH TÜVRheinland® Zertifizierungsstelle

® TÜV, TUEV and TUV are registered trademarks. Utilisatio n and applic ation requires prior approval.

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

Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*
R 50644703 0001

Berichtsnummer *Report No.:*
CN24812U 001

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

Modell *Type:* **Bezeichnung** *Designation:*

1) SUN-5K-SG01HP3-EU-DM2 ; 2) SUN-6K-SG01HP3-EU-DM2 ;
3) SUN-8K-SG01HP3-EU-DM2 ; 4) SUN-10K-SG01HP3-EU-DM2 ;
5) SUN-12K-SG01HP3-EU-DM2

PV side:	
Vmax PV [Vd.c.]	: 1000
Max. Input current [Ad.c.]	: 18+18
Isc PV [Ad.c.]	: 27+27
MPPT Voltage Range [Vd.c.]	: 150-850
MPPT Full Power Voltage Range [Vd.c.]	: 1)195-850; 2)195-850; 3)260-850; 4)362-850; 5)450-850
Overvoltage Category (OVC)	: II
Battery side:	
Voltage range[Vd.c.]	: 160-700
Max.charge/discharge Current[Ad.c.]	: 37/37
Overvoltage Category(OVC)	: II
Battery type	: Lithium-ion
On-grid AC side:	
Rated Volt [Va.c.]	: 3L+N+PE, 220/380, 230/400
Rated Freq. [Hz]	: 50/60
Rated Input/Output Power [kW]	: 1)5.0; 2)6.0; 3)8.0; 4)10.0;5)12.0
Max. Input/Output Apparent Power[kVA]	: 1)5.5; 2)6.6; 3)8.8; 4)11.0;5)13.2
Rated Input/Output Current.[Aa.c.]	: 1)7.6/7.3; 2)9.1/8.7; 3)12.2/11.6; 4)15.2/14.5; 5)18.2/17.4
Max. Input/Output Current.[Aa.c.]	: 1)8.4/8.0; 2)10.0/9.6; 3)13.4/12.8; 4)16.7/16.0; 5)20.0/19.2
Power Factor	: 0.8 leading-0.8 lagging
Overvoltage Category (OVC)	: III
Max. Continuous AC bypass current (grid to load) [Aa.c.]	: 35
Off-grid AC side:	
Rated Output Volt [Va.c.]	: 3L+N+PE, 220/380, 230/400
Rated Output Freq. [Hz]	: 50/60
Rated Output Power [kW]	: 1)5.0; 2)6.0; 3)8.0; 4)10.0;5)12.0
Rated Output Current.[Aa.c.]	: 1)7.6/7.3; 2)9.1/8.7; 3)12.2/11.6; 4)15.2/14.5; 5)18.2/17.4

® TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior approval.

Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*
R 50644703 0001

Berichtsnummer *Report No.:*
CN24812U 001

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

Modell *Type:* **Bezeichnung** *Designation:*

GEN AC side:	
Rated Input Volt [Va.c.]	: 3L+N+PE, 220/380, 230/400
Rated Input Freq. [Hz]	: 50/60
Rated Input Power [kW]	: 1)5.0; 2)6.0; 3)8.0; 4)10.0;5)12.0
Rated Input Current [Aa.c.]	: 1)7.6/7.3; 2)9.1/8.7; 3)12.2/11.6; 4)15.2/14.5; 5)18.2/17.4
Overvoltage Category (OVC)	: III
Protective Class	: I
Ingress Protection (IP)	: IP65
Pollution Degree (PD)	: PD3
Operating Temperature [°C]	: -40 to 60, ＞45 derating
Altitude [m]	: 2000
Type of Inverter	: Non isolated

Remark(s):
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.

TÜV Rheinland LGA Products GmbH
TÜVRheinland
Zertifizierungsstelle

® TÜV, TUEV and TUV are registered trademarks. Utilisatio n and applic ation requires prior approval.