

No.: EM160105006RE003	Page 1 of 13
Applicant	Ningbo Ginlong Technologies Co.,Ltd.
Address	No. 57 Jintong Road, Seafront(Binhai) Industrial Park, Xiangshan, Ningbo, Zhejiang, 315712, P.R.China
Manufacturer	Ningbo Ginlong Technologies Co.,Ltd.
Address	No. 57 Jintong Road, Seafront(Binhai) Industrial Park, Xiangshan, Ningbo, Zhejiang, 315712, P.R.China
Sample Name	Solis-30K
Model/Type	Solis-20K、Solis-25K、Solis-30K、Solis-36K-HV、Solis-40K-HV URE-20K、URE-25K、URE-30K、URE-36K-HV、URE-40K-HV
Received Date	Mar. 16, 2016
Testing Period	Mar. 17, 2016~ Mar. 24, 2016
Test Item	Low Temperature Test; High Temperature Test; Thermal Shock Test; Temperature and Humidity Storage Test
Testing Requested	IEC60068-2-1-2007; IEC60068-2-2-2007; IEC60068-2-14-2005; IEC60068-2-30-2009
Testing Results	Please refer to page 3, 6, 9, 12.

Inspected by: 200 100

Reviewed by:

ine Shine



Signed for and on behalf of

Zuo Luo Inspected engineer

Reviewed engineer



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Tested Sample:

Sample No.	Sample Name	Model/Type	Quantity
EM160105006RE003-001	Solis-30K	Solis-20K、Solis-25K、Solis-30K、 Solis-36K-HV、Solis-40K-HV URE-20K、URE-25K、URE-30K、 URE-36K-HV、URE-40K-HV	1 PC

Test Sequence:

Test Sequence	Test Item	Sample No.	
1	Low Temperature Test		
2	High Temperature Test		
3	Thermal Shock Test		
4	Temperature and Humidity Storage Test		



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Test Item 1: Low Temperature Test

(1) Test Equipment:

	Name	Model	Serial No.	Valid Date to
Ten	nperature & Humidity Test Chamber	DSW1440	ER-005	May. 24, 2016

- (2) Environmental Conditions: Temperature: 23.5°C; Humidity: 56%RH
- (3) Test Sample: EM160105006RE003-001

(4) Reference Standard: IEC60068-2-1-2007

(5) Test Conditions:

Low Temperature Test: $-25^{\circ}C \rightarrow -30^{\circ}C \rightarrow -35^{\circ}C \rightarrow -40^{\circ}C \rightarrow -45^{\circ}C \rightarrow -50^{\circ}C$

Each temperature is maintained at 4 hours, and at the end of each temperature point, start the

machine, and it is fully loaded with 10mins.

- (6) Acceptance Criteria: Appearance and function.
- (7) Test Results: After the test, there was no change on the appearance of sample. Function was normal.
- (8) Test Photos and Curves Refer to Appendix



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Appendix: Low Temperature Test Photos





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Appendix: Low Temperature Test Curves





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Test Item 2: High Temperature Test

(1) Test Equipment:

X S. TAV	Name	Model	Serial No.	Valid Date to
000	Temperature & Humidity Test Chamber	DSW0240	ER-011	Jul. 09, 2016

- (2) Environmental Conditions: Temperature: 23.5°C; Humidity: 56%RH
- (3) Test Sample: EM160105006RE003-001
- (4) Reference Standard: IEC60068-2-2-2007

(5) Test Conditions:

Sample status: Inverter full load working with thermal sensor removed.

High Temperature Test: 60°℃, 72 hours

- (6) Acceptance Criteria: Appearance and function.
- (7) Test Results: After the test, there was no change on the appearance of sample. Function was normal.
- (8) Test Photos and Curves Refer to Appendix



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Appendix: High Temperature Test Photos





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Appendix: High Temperature Test Curves





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Test Item 3: Thermal Shock Test

(1) Test Equipment:

Name	Model	Serial No.	Valid Date to
Temperature thermal shock chamber	TS300	ER-007	May. 06, 2016

- (2) Environmental Conditions: Temperature: 23.5°C; Humidity: 56%RH
- (3) Test Sample: EM160105006RE003-001
- (4) Reference Standard: IEC60068-2-14-2005

(5) Test Conditions:

Sa	mple status: Inverter full load working.	
The	ermal Shock Test:	
a)	$-25^\circ\!\mathbb{C}$, keep 1h $ ightarrow$ 60 $^\circ\!\mathbb{C}$, keep 1h	
b)	Cycling 36 times, a total of 72 hours	
c)	Temperature conversion time: <10s	

- (6) Acceptance Criteria: Appearance and function.
- (7) Test Results: After the test, there was no change on the appearance of sample. Function was normal.
- (8) Test Photos and Curves Refer to Appendix



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Appendix: Thermal Shock Test Photos





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Appendix: Thermal Shock Test Curves





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Test Item 4: Temperature and Humidity Storage Test

(1) Test Equipment:

Name	Model	Serial No.	Valid Date to
Rapid temperature change	OW/0570P2W/10	ER-069	May 24 2016
test chamber	QVV03701 2VV10	LIX-009	Way. 24, 2010

- (2) Environmental Conditions: Temperature: 23.5°C; Humidity: 56%RH
- (3) Test Sample: EM160105006RE003-001
- (4) Reference Standard: IEC60068-2-30-2009

(5) Test Conditions:

Sample status: Non working status

Temperature and Humidity Storage Test: 75°C, 98%RH, keep 120 hours

- (6) Acceptance Criteria: Appearance and function.
- (7) Test Results: After the test, there was no change on the appearance of sample. Function was normal.
- (8) Test Photos and Curves Refer to Appendix



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Appendix: Temperature and Humidity Storage Test Photos



*** End of Report ***

This Test Report is issued by the Company subject to its Conditions of Issuance of Test Reports printed overleaf and is intended for your exclusive use. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

漆珈信謝标准技术服务股份有限公司 / 地址: 广东省添圳市光明新区光明街道高新路11号研祥科技工业园电子厂房1楼西侧 / 网址: www.emtek.com.cn / 邮箱: szc.cs4@emtek.com.cn EMTEK (Shenzhen) Co., Ltd. Add: Ground Floor, West Side of Electronic Factory of EVOC Technology Industrial Park, No.11, Gaoxin Road, Guangming Street, Guangming New District, Shenzhen, Guangdong, China / Http://www.emtek.com.cn / E-mail:szc.cs4@emtek.com.cn EMTEK (Shenzhen) Co.,Ltd. Bldg 69,Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China www.emtek.com.cn Tel:+86-755-2695 4280 Fax:+86-755-2695 4282

Access to the World

Certificate of Conformity

NO.: ES160105015S

The following product has been tested by us with the listed standards.

Applicant	:	Ningbo Ginlong Technologies Co.,Ltd.
Address	:	No. 57 Jintong Road, Seafront(Binhai) Industrial Park, Xiangshan, Ningbo, Zhejiang, 315712, P.R. China
Manufacturer	:	Ningbo Ginlong Technologies Co.,Ltd.
Address	:	No. 57 Jintong Road, Seafront(Binhai) Industrial Park, Xiangshan, Ningbo, Zhejiang, 315712, P.R. China
Trade Mark	:	N/A
EUT	:	PV inverter
M/N	;	Solis-20K, Solis-20K-HV, Solis-25K, Solis-30K, Solis-36K-HV, Solis-40K-HV, URE-20K, URE-20K-HV, URE-25K, URE-30K, URE-36K-HV, URE-40K-HV
Technical Data	:	Refer to test report
Test Standards	:	IEC 61683:1999



The certificate is based on a single evaluation of one sample of above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. logo.

EMTEK (Shenzhen) Co.,Ltd. Bldg 69,Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China www.emtek.com.cn Tel:+86-755-2695 4280 Fax:+86-755-2695 4282



Certificate of Conformity

NO.: ES160105020S

The following product has been tested by us with the listed standards.

Applicant :	Ningbo Ginlong Technologies Co.,Ltd.
Address :	No. 57 Jintong Road, Seafront(Binhai) Industrial Park, Xiangshan, Ningbo, Zhejiang, 315712, P.R. China
Manufacturer :	Ningbo Ginlong Technologies Co.,Ltd.
Address :	No. 57 Jintong Road, Seafront(Binhai) Industrial Park, Xiangshan, Ningbo, Zhejiang, 315712, P.R. China
Trade Mark :	N/A
EUT :	PV inverter
M/N :	Solis-20K, Solis-20K-HV, Solis-25K, Solis-30K, Solis-36K-HV, Solis-40K-HV, URE-20K, URE-20K-HV,
	URE-25K, URE-30K, URE-36K-HV, URE-40K-HV
Technical Data	
recinical Data :	Refer to test report
Test Standards :	IEC 61727:2004
	IEC 62116:2014



The certificate is based on a single evaluation of one sample of above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. logo.

Zertifikat	Certificate			C R
			T	ÜVRheinland
Zertifikat Nr. Certificate No. R 50331629	Blatt Page 0001			
Ihr Zeichen <i>Client Reference</i> 52109827	Unser Zeichen Our Re 01-DJW-150838	<i>eference</i> A 14 001 2	usstellungsdatum 6.02.2016	Date of Issue (day/mo/yr)
Genehmigungsinhaber License H Ningbo Ginlong techr Co., Ltd. No.57 Jintong Road, (seafront) industria Ningbo, Zhejiang 315 P.R. China	<i>Iolder</i> hologies Binhai, al Park, Xiangsha 5712	Fertigungsstätte M Ningbo Ginlo Co., Ltd. No.57 Jinton (seafront) Ningbo, Zhe P.R. China	<i>Tanufacturing Plant</i> ong technolo ng Road, Bin industrial P jiang 315712	gies hai, Park, Xiangshan
Prüfzeichen Test Mark Bauart geprüft Sicherheit Regelmäßige Produktions- überwachung www.tuv.com ID 1419032012	Geprüft nach Testa IEC 62109-1: IEC 62109-2: EN 62109-1:2 EN 62109-2:2	ed acc. to 2010 2011 010 011		
Zertifiziertes Produkt (Geräteid Certified Product (Product	entifikation) Identification)		Lizenzent License Fe	gelte - Einheit ee - Unit
PV-Wechselrichter (Grid-connected PV	Inverter)		
Type Designation Vmax PV [Vd.c.] Isc PV [Ad.c.] MPP Voltage Range[Vd.c Max. Input Current[Ad. Overvoltage Category (: Solis-20K URE Solapowa-20K : 1000 : 23.4/23.4/23.4 .] : 200-800 c.] : 18/18/18/18 OVC) : II for PV	-20K GCI-20K- Soltaro-20K /23.4	W	12
Rated Output Voltage[V Rated Output Frequency Rated Output Power[kW] Max. Output Current[Aa Power Factor Overvoltage Category (a.c.]: 3~400 [Hz]: 50 : 20 .c.]: 33.3 : [-0.80, 0.80] OVC): III for AC mai	ins		
continued on page 0002			-	12
ANLAGE (Appendix): Dem Zertifikat liegt unsere Prüf- und Ze des Produktes mit den oben genannten S in Landern, in denen das Produkt in Ver	1 rtifizierungsordnung zugrunde und es tandards und Prüfgrundlagen. Zusätz kehr gebracht werden soll, müssen zus	bestätigt die Konformität liche Anforderungen sätzlich bt	Zertifizierun	A Produce Contraction of the state

petrachiet werden. Die Herstellung des zeriijizierten 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





Zortifikat	Certificate	A
Lei ulikat	Certificate	TÜVBheinland
Zertifikat Nr. Certificate No. R 50331629	Blatt Page 0002	
Ihr Zeichen Client Reference 52109827	Unser Zeichen Our Reference 01-DJW-15083814 001	AusstellungsdatumDate of Issue26.02.2016(day/mo/yr)
Genehmigungsinhaber License L Ningbo Ginlong techn Co., Ltd. No.57 Jintong Road, (seafront) industria Ningbo, Zhejiang 31 P.R. China	HolderFertigungshologiesNingboCo., LtBinhai,No.57 Cal Park, Xiangsha (seafro5712NingboP.R. Cl	stätte Manufacturing Plant Ginlong technologies td. Jintong Road, Binhai, ont) industrial Park, Xiangshan , Zhejiang 315712 hina
Prüfzeichen Test Mark Bauart geprüft Sicherheit Regelmäßige Produktions- überwachung Www.tuv.com ID 1419032012	Geprüft nach Tested acc. to IEC 62109-1:2010 IEC 62109-2:2011 EN 62109-1:2010 EN 62109-2:2011	
Zortifiziertes Produkt (Geräteid	entifikation)	Lizenzentgelte - Einheit
Certified Product (Product	Identification)	License Fee - Unit
<u>PV-Wechselrichter</u> (Grid-connected PV Invert	er)
as page 0001 Continuation Type Designation Vmax PV [Vd.c.] Isc PV [Ad.c.] MPP Voltage Range[Vd.c Max. Input Current[Ad. Overvoltage Category (: Solis-25K URE-25K GC Solapowa-25K Soltaro- : 1000 : 23.4/23.4/23.4/23.4 .] : 200-800 c.] : 18/18/18/18 OVC) : II for PV	5 CI-25K-W -25K
Rated Output Voltage(Rated Output Frequency Rated Output Power[kW] Max. Output Current[Aa Power Factor Overvoltage Category	<pre>/A.C.]: 3~400 /[Hz]: 50 : 25 A.C.]: 41.7 : [-0.80, 0.80] (OVC): III for AC mains</pre>	
continued on page 000	3	E
ANLAGE (Appendix): Dem Zertifikat liegt unsere Prüf- und Z des Produktes mit den oben genannten in Ländern, in denen das Produkt in Ve bett achtet werden. Die Herstellung dess This certificate is based on our Testing of the product with the standards and t requirements in countries where the pr additionally. The manufacturing of the TÜV Rheinland LGA Produc	1 ertifizierungsordnung zugrunde und es bestätigt die K Standards und Prüfgrundlagen. Zusätzliche Anforder rkehr gebracht werden soll, müssen zusätzlich zertifizierten Produktes wird überwacht. and Certification Regulation and states the conformi esting requirements as indicated above. Any addition oduct is going to be marketed have to be considered certified product is subject to surveillance.	Konformität rungen ity tal Weichun Li

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Zertifikat	Certificate		B
		٦	^(W)
Zertifikat Nr. Certificate No. R 50331629	Blatt Page 0003		
Ihr Zeichen Client Reference	Unser Zeichen Our Reference	Ausstellungsdatum	Date of Issue
52109827	01-DJW-15083814 001	26.02.2016	(day/mo/yr)
Genehmigungsinhaber License H Ningbo Ginlong techr Co., Ltd. No.57 Jintong Road, (seafront) industria Ningbo, Zhejiang 315 P.R. China	HolderFertigungshologiesNingboCo., LtBinhai,No.57 Gal Park, Xiangsha(seafrom Ningbo)5712Ningbo,P.R. Ch	stätte <i>Manufacturing Plan</i> Ginlong technol td. Jintong Road, Bi ont) industrial , Zhejiang 31571 nina	ut ogies nhai, Park, Xiangshan 2
Prüfzeichen Test Mark	Geprüft nach Tested acc. to		
Bauart geprüft Sicherheit Regelmäßige Produktions-	IEC 62109-1:2010 IEC 62109-2:2011 EN 62109-1:2010		
TÜVRheinland ZERTIFIZIERT	EN 62109-2:2011		
	(109) (1) N	Lizenzen	tgelte - Einheit
Zertifiziertes Produkt (Gerateide Certified Product (Product)	Identification)	License 1	Fee - Unit
DU Wochcolrichter ((arid-connected PV Inverte	er)	
<u>PV-wechserrichter</u> (C			5
as page 0001 Continuation			
Type Designation	: Solis-30K URE-30K GC Solapowa-30K Soltaro-	I-30K-W 30K	
Vmax PV [Vd.c.] Isc PV [Ad.c.]	: 23.4/23.4/23.4/23.4		
MPP Voltage Range[Vd.c	.] : 200-800		
Overvoltage Category (DVC) : II for PV		
Rated Output Voltage[Va Rated Output Frequency Rated Output Power[kW] Max. Output Current[Aa	a.c.]: 3~400 [Hz]: 50 : 30 .c.]: 47.8		
Power Factor Overvoltage Category (: [-0.80, 0.80] OVC) : III for AC mains		
continued on page 0004			
			5
ANLAGE (Appendix):	1	orginitend Lo	SA Produce
Dem Zertifikat liegt unsere Prüf- und Zer des Produktes mit den oben genannten St in Ländern, in denen das Produkt in Verk betrachtet werden. Die Herstellung des za This certificate is based on our Testing au of the product with the standards and tes requirements in countries where the prod additionally. The manufacturing of the ce	tifizierungsordnung zugrunde und es bestätigt die Ko andards und Prüfgrundlagen. Zusätzliche Anforderu izehr gebracht werden soll, müssen zusätzlich ertifizierten Produktes wird überwacht. ad Certification Regulation and states the conformity ting requirements as indicated above. Any additional buct is going to be marketed have to be considered ertified product is subject to surveillance.		
TÜV Rheinland LGA Products	GmbH, Tillystraße 2, 90431 Nürnberg	Weichun Li	

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Zertifikat	Certificate	1	R B R B R B R B R B R B R B R B R B R B
Zertifikat Nr. <i>Certificate No.</i> R 50331629	Blatt Page 0004		
Ihr Zeichen Client Reference 52109827	Unser Zeichen Our Reference 01-DJW-15083814 001	Ausstellungsdatum 26.02.2016	Date of Issue (day/mo/yr)
Genehmigungsinhaber License H Ningbo Ginlong techr Co., Ltd. No.57 Jintong Road, (seafront) industria Ningbo, Zhejiang 319 P.R. China	HolderFertigunhologiesNingboCo.,Co.,Binhai,No.57al Park, Xiangsha(seaf5712NingboP.R.	gsstätte <i>Manufacturing Plan</i> o Ginlong technolo Ltd. Jintong Road, Bi ront) industrial o, Zhejiang 31571 China	<i>t</i> ogies nhai, Park, Xiangsham 2
Prüfzeichen Test Mark Bauart geprüft Sicherheit Regelmäßige Produktions- überwachung VURheinland ZERTIFIZIERT Www.tuv.com ID 1419032012	Geprüft nach Tested acc. to IEC 62109-1:2010 IEC 62109-2:2011 EN 62109-1:2010 EN 62109-2:2011		
Zertifiziertes Produkt (Geräteid	entifikation)	Lizenzen	tgelte - Einheit
Certified Product (Product	Identification)	License I	ee - Unit
PV-Wechselrichter (Grid-connected PV Inver	ter)	
as page 0001 Continuation Type Designation Vmax PV [Vd.c.] Isc PV [Ad.c.] MPP Voltage Range[Vd.c Max. Input Current[Ad.	: Solis-36K-HV Solapov URE-36K-HV Soltaro-3 : 1000 : 23.4/23.4/23.4/23.4 .] : 200-800 c.] : 18/18/18/18 OVC) : II for PV	va-36K-HV 36K-HV	4
Rated Output Voltage[V Rated Output Frequency Rated Output Power[kW] Max. Output Current[Aa Power Factor Overvoltage Category (a.c.]: 3~480 [Hz]: 50 : 36 .c.]: 47.8 : [-0.80, 0.80] OVC): III for AC mains		
continued on page 0005		_	4.
ANLAGE (Appendix): Dem Zertifikat liegt unsere Prüf- und Ze des Produktes mit den oben genannten S in Ländern, in denen das Produkt in Ver betrachtet werden. Die Herstellung des z This certificate is based on our Testing of the product with the standards and te requirements in countries where the pro additionally. The manufacturing of the c	1 rtifizierungsordnung zugrunde und es bestätigt die tandards und Prüfgrundlagen. Zusätzliche Anford kehr gebracht werden soll, müssen zusätzlich tertifizierten Produktes wird überwacht. und Certification Regulation and states the conform sting requirements as indicated above. Any addition duct is going to be marketed have to be considered ertified product is subject to surveillance.	Konformität erungen nity onal	ILGA Products Ingestelle Rheinland

 TÜV Rheinland LGA Products GmbH, Tillystra

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 e-mail: cert-validity@de.tuv.com

 Fax: +49 221 806-3935
 http://www.tuv.com/safety

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Zertifikat	Certificate	TÜVRheinland
Zertifikat Nr. Certificate No. R 50331629	Blatt Page 0005	
Ihr Zeichen Client Reference 52109827	Unser Zeichen Our Reference 01-DJW-15083814 001	AusstellungsdatumDate of Issue26.02.2016(day/mo/yr)
Genehmigungsinhaber License H Ningbo Ginlong techno Co., Ltd. No.57 Jintong Road, (seafront) industria Ningbo, Zhejiang 315 P.R. China	older Fertigungsst ologies Ningbo (Co., Lto Binhai, No.57 J 1 Park, Xiangsha (seafron 712 Ningbo, P.R. Ch	ätte <i>Manufacturing Plant</i> Ginlong technologies d. intong Road, Binhai, nt) industrial Park, Xiangshan Zhejiang 315712 ina
Prüfzeichen Test Mark Bauart geprüft Sicherheit Regelmäßige Produktions- überwachung www.tuv.com ID 1419032012	Geprüft nach Tested acc. to IEC 62109-1:2010 IEC 62109-2:2011 EN 62109-1:2010 EN 62109-2:2011	
Zertifiziertes Produkt (Geräteide Certified Product (Product I PV-Wechselrichter (G	ntifikation) <i>dentification)</i> crid-connected PV Inverte	Lizenzentgelte - Einheit <i>License Fee - Unit</i> r)
as page 0001 Continuation		4
Type Designation	: Solis-40K-HV Solapowa- URE-40K-HV Soltaro-40K	40K-HV C-HV
Vmax PV [Vd.c.] Isc PV [Ad.c.] MPP Voltage Range[Vd.c. Max. Input Current[Ad.c Overvoltage Category (C	: 1000 : 23.4/23.4/23.4/23.4] : 200-800 :.] : 18/18/18/18 OVC) : II for PV	
Rated Output Voltage[Va Rated Output Frequency[Rated Output Power[kW] Max. Output Current[Aa. Power Factor Overvoltage Category (C	<pre>1.c.]: 3~480 [Hz]: 50 : 40 c.]: 48.1 : [-0.80, 0.80] OVC): III for AC mains</pre>	
continued on page 0006		<u>4</u>
ANLAGE (Appendix):	1	and LGA Products

Dem Zertifikat liegt unsere Pruf- und Zertifizierungsordnung zugrunde und es bestatigt die Konformi 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



Zertifikat	Certificate			(R)
			т	ÜVRheinland
Zertifikat Nr. Certificate No. R 50331629	Blatt Page 0006			
Ihr Zeichen Client Reference	Unser Zeichen Our K	Reference	Ausstellungsdatum	Date of Issue (day/mo/yr)
52109827	01-000-190836	014 001	20.02.1010	
Genehmigungsinhaber License H Ningbo Ginlong techn Co., Ltd. No.57 Jintong Road, (seafront) industria Ningbo, Zhejiang 319 P.R. China	Holder nologies Binhai, al Park, Xiangsha 5712	Fertigungsstä Ningbo G Co., Lto No.57 Ji (seafron Ningbo, P.R. Chi	itte <i>Manufacturing Plant</i> Sinlong technolo .ntong Road, Bir nt) industrial F Zhejiang 315712 .na	ogies nhai, Park, Xiangshan 2
Prüfzeichen Test Mark Bauart geprüft Sicherheit Regelmäßige TÜVRheinland ZERTIFIZIERT Www.tuv.com ID 1419032012	Geprüft nach Tes IEC 62109-1 IEC 62109-2 EN 62109-1:2 EN 62109-2:2	<i>ted acc. to</i> 2010 2011 2010 2011		
Zertifiziertes Produkt (Geräteid	entifikation)		Lizenzent	gelte - Einheit
Certified Product (Product	Identification)		License F	ee - Unu
PV-Wechselrichter (as page 0001 Continuation Protective Class Enclosure Protection (Pollution degree (PD)	: I IP) : IP65 : PD 2(inside : 2000), PD3 (outs	side)	
Operating Temperature Type of Inverter	[°C] : -25 to 60 (: Non-isolate	> 45 derat: d	ing)	
Remark: The installation has t attached installation Any additional require is going to be markete	o be carried out acc instruction. ments in countries w ed have to be conside	ording to here the p red additi	the roduct onally.	
ANLAGE (Appendix):	1		sintend LC	GA Produce
Dem Zertifikat liegt unsere Prüf- und Ze des Produktes mit den oben genannten S in Ländern, in denen das Produkt in Ver betrachtet werden. Die Herstellung des This certificate is based on our Testing d of the product with the standards and te requirements in countries where the pro additionally. The manufacturing of the	rtifizierungsordnung zugrunde und e Standards und Prüfgrundlagen. Zusät kehr gebracht werden soll, müssen zi zertifizierten Produktes wird überwac and Certification Regulation and stat sting requirements as indicated abov duct is going to be marketed have to certified product is subject to surveill	s bestätigt die Konj zliche Anforderung usätzlich cht. es the conformity e. Any additional be considered ance. 1 Nürnberg	formität ren Zertifizieru Terifizieru	ngsstelle ill
TUV Rheinland LGA Product Tel: +49 221 806-1371 e-mail: cert-va	alidity@de.tuv.com	TTUTTOTE	Weichun Li	

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



: 26.02.2016

Ningbo Ginlong technologies Co., Date Our ref. : DJW 01 Ltd. Your ref.: 52109827 Zhang Kun No.57 Jintong Road, Binhai, (seafront) industrial Park, Xiangshan Ningbo, Zhejiang 315712 P.R. China Ref : R TÜV-Mark Approval

Type of Equipment : Grid-connected PV Inverter Model Designation : See Certificate Certificate No. : R 50331629 0001 : 15083814 001 Report No.

Dear Zhang Kun,

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

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

TÜV Rheinland (China) Ltd. 莱茵检测认证服务(中国)有限公司 Unit 707, AVIC Bldg., No. 10B, Central Road, East 3rd Ring Road, Chaoyang District, Beijing, 100022, P.R.China

北京市朝阳区东三环中路乙10号 艾维克大厦707室 邮编: 100022

Tel: (8610)6566 6660 Fax: (8610)6566 6667 e-mail: info@bj.chn.tuv.com Internet: http://www.chn.tuv.com



CERTIFICATE

of Conformity Low Voltage Directive 2014/35/EU

Registration No.:

AN 50332210 0001

Report No.:

15083814 001

Holder:

Ningbo Ginlong technologies Co., Ltd. No.57 Jintong Road, Binhai, (seafront) industrial Park, Xiangshan Ningbo, Zhejiang 315712 P.R. China

Product:

PV-Inverter (Grid-connected PV Inverter)

Identification:

Type Designation : Solis-20K URE-20K GCI-20K-W Solapowa-20K Soltaro-20K See more tpye designation in attachment 1.1

Remark

Serial Number : Engineering Sample : Issued in conjunction with TÜV Rheinland license R 50331629 0001-0006.

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 26.02.2016

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

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



1.1

TÜV Rheinland LGA Products GmbH Tillystraße 2, 90431 Nürnberg

Attachment to Registration No.: Report No.:

AN 50332210 0001 15083814 001

Manufacturer:

Ningbo Ginlong technologies Co., Ltd. No.57 Jintong Road, Binhai, (seafront) industrial Park, Xiangshan Ningbo, Zhejiang 315712 P.R. China

Scope:

Solis-25K URE-25K GCI-25K-W Solapowa-25K Soltaro-25K

Solis-30K URE-30K GCI-30K-W Solapowa-30K Soltaro-30K

Solis-36K-HV Solapowa-36K-HV URE-36K-HV Soltaro-36K-HV

Solis-40K-HV Solapowa-40K-HV URE-40K-HV Soltaro-40K-HV



Cologne, <u>26.02.2016</u>

10/020 d 04.08 (8) TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior approval



Ningbo Ginlong technologies Co., Date : 26.02.2016 Ltd. Dur ref. : DJW 01 Zhang Kun Your ref.: 52109827 -No.57 Jintong Road, Binhai, (seafront) industrial Park, Xiangshan Ningbo, Zhejiang 315712 P.R. China Ref : AN Certificate of Conf. Low Voltage D.

Type of Equipment : Grid-connected PV Inverter Model Designation : See Certificate Certificate No. : AN 50332210 0001 Report No. : 15083814 001

Dear Zhang Kun,

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

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

TÜV Rheinland (China) Ltd. 莱茵检测认证服务(中国)有限公司 Unit 707, AVIC Bldg., No. 10B, Central Road, East 3rd Ring Road, Chaoyang District, Beijing, 100022, P.R.China 北京市朝阳区东三环中路乙10号 艾维克大厦707室 邮编: 100022 Tel: (8610)6566 6660 Fax: (8610)6566 6667 e-mail: info@bj.chn.tuv.com Internet: http://www.chn.tuv.com