



SOFAR

25K~50KTLX-G3

25000 / 30000 / 33000 / 36000 / 40000 / 45000 / 50000 W

THREE-PHASE

Up to 4 MPPTs with DC overload capability (up to 150%)

Type II SPD for both DC and AC side

Low start-up voltage, wide MPPT voltage range

I-V curve scanning function

Intelligent monitoring, remote operation

THREE TO FOUR MPPTS

Max. efficiency up to 98.90%

Prolonged AC overload capability (110%)

Compatible with 500 W+ modules

Datasheet

SOFAR **SOFAR** **SOFAR** **SOFAR** **SOFAR** **SOFAR** **SOFAR** **SOFAR** **SOFAR** **SOFAR**
25KTLX-G3 **30KTLX-G3** **30KTLX-G3-A** **33KTLX-G3** **36KTLX-G3** **40KTLX-G3** **45KTLX-G3** **50KTLX-G3** **40KTLX-G3-HV** **50KTLX-G3-HV**

Input (DC)											
Recommended max. PV input power (Wp)	37500	45000	45000	49500	54000	60000	67500	75000	60000	75000	
Max. DC power for single MPPT(W)	25000										
Number of MPP trackers	3							4		3	4
Number of DC inputs	2 for each MPPT										
Max. input voltage (V)	1100										
Start-up voltage (V)	200										
Rated input voltage (V)	620								725	725	
MPPT operating voltage range (V)	180-1000										
Full power MPPT voltage range (V)	480-850			510-850	540-850	480-850	510-850	540-850	620-850	650-850	
Max. input MPPT current (A)	3*40					4*40			3*40	4*40	
Max. input short circuit current per MPPT (A)	3*50					4*50			3*50	4*50	
Output (AC)											
Rated power (W)	25000	30000	29900	33000	36000	40000	45000	50000	40000	50000	
Max. AC power (VA)	28000	34000	29900	37000	40000	44000	50000	55000	44000	55000	
Max. output current (A)	42.4	51.5	45.3	56.0	60.6	66.7	75.8	83.3	53	66.2	
Rated grid voltage	3 / N / PE, 220 V / 380 Vac, 230 V / 400 Vac								3/N/PE or 3/PE, 277/480 Vac		
Grid voltage range	310 - 480 Vac (according to local standard)								422 - 528 VaC (according to local standard)		
Rated grid frequency	50 Hz / 60 Hz										
Grid frequency range	45 Hz-55 Hz / 54 Hz-66 Hz (according to local standard)										
Active power adjustable range	0-100%										
THDi	< 3%										
Power factor	1 default (adjustable +/-0.8)										
Performance											
Max. efficiency	98.60%					98.80%			98.90%		
European efficiency	98.20%										
Protection											
DC reverse polarity protection	Yes										
Anti-islanding protection	Yes										
Leakage current protection	Yes										
Ground fault monitoring	Yes										
PV-array string fault monitoring	Yes										
Feed-in limitation function	Yes										
DC switch	Yes										
Input / output SPD	PV: type II standard, AC: type II standard										
Communication											
Standard Communication mode	RS485/USB/Bluetooth Optional: WiFi/Ethernet/LTE										
General Data											
Ambient temperature range	-30°C~+60°C										
Self-consumption at night (W)	<3										
Topology	Transformerless										
Degree of protection	IP65										
Allowable relative humidity range	0-100%										
Max. operating altitude	4000 m										
Noise	< 60 dB										
Weight (kg)	36					37					
Cooling	Fan										
Dimension (mm)	585*480*220										
Display	LCD, App via Bluetooth										
Warranty	5 years, Optional: 7&10 years										
Standard											
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4										
Safety standards	IEC 62109-1/2, IEC 62116, IEC 61727, IEC 61683, IEC 60068(1,2,14,30), IEC 60255										
Grid standards	AS/NZS 4777, VDE V 0124-100, V 0126-1-1, VDE-AR-N 4105, CEI 0-21/CEI 0-16, UNE 206 007-1, EN 50549, G98/G99, EN 50530, NB/T32004										

SOFAR 25K / 30K / 30K-A / 33K / 36K / 40K / 45K / 50KTLX-G3_EN_202204



ISO 9001

The Certificate Of Quality Management System

Certificate No. : 04922Q00832R3S

Shenzhen SOFARSOLAR Co., Ltd.

Address: 11/F, Gaoxinqi Science and Technology Building, District 67, Xingdong Community,
Xin'an Street, Bao'an District, Shenzhen City, Guangdong Province, P.R. China
Unified Social Credit Code: 9144030007111227X8

According to your organization's application, our company carried out audit and certification in accordance with the requirements for *Quality Management System* (GB/T19001-2016/ISO9001:2015), it accords with the requirements through assessment. The scope of the certified QMS is:

**R & D and sales of solar inverter, energy storage battery
(without lead-acid battery)**

Initial date: 2014-04-11

Term of validity of this certificate: 2022-06-30 to 2025-06-29

The scope of the certified should limits within the administrative licensing or China Compulsory Certification.
The certified organization shall be subject to annual supervision of CTC during the validity period.
The Certificate is only valid with the annual surveillance labels. The certificate information can be found at the CNCA's official website (www.cnca.gov.cn).

The first
surveillance

The second
surveillance



中国认可
国际互认
管理体系
MANAGEMENT SYSTEM
CNAS C049-M



Liang sui Ping
Chairman

Guangdong Quality Testing CTC Certification Co., Ltd.

Address: Room 226, No. 10, Science Avenue, Huangpu District, Guangzhou,
Guangdong, China 510670

Tel.: 86-020-89232333 Fax: 86-020-89232078 Web: www.qctc.org





ISO 14001

The Certificate Of Environmental Management System

Certificate No. : 04922E00433R2S

Shenzhen SOFARSOLAR Co., Ltd.

Address: 11/F, Gaoxinqi Science and Technology Building, District 67, Xingdong Community,
Xin'an Street, Bao'an District, Shenzhen City, Guangdong Province, P.R. China
Unified Social Credit Code: 9144030007111227X8

According to your organization's application, our company carried out audit and certification in accordance with the requirements for *Environmental Management System (GB/T24001-2016/ISO14001:2015)*, it accords with the requirements through assessment. The scope of the certified EMS is:

**R & D and sales of solar inverter, energy storage battery
(without lead-acid battery) and related management activities**

Initial date: 2016-10-17

Term of validity of this certificate: 2022-06-30 to 2025-06-29

The scope of the certified should limits within the administrative licensing or China Compulsory Certification.
The certified organization shall be subject to annual supervision of CTC during the validity period.
The Certificate is only valid with the annual surveillance labels. The certificate information can be found at the CNCA's official website (www.cnca.gov.cn).

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中国认可
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MANAGEMENT SYSTEM
CNAS C049-M

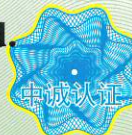


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Guangdong, China 510670


Tel.: 86-020-89232333 Fax: 86-020-89232078 Web: www.qtctc.org



Test Verification of Conformity

Verification Number: 211108059GZU-VOC006

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>.

Once compliance with all product relevant  mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address:	Shenzhen SOFARSOLAR Co., Ltd. 11/F., Gaoxinqi Technology Building, No.67 Area, Xingdong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, China
Product Description:	Inverter
Ratings & Principle Characteristics:	NA
Models/Type References:	SOFAR 50KTLX-G3, SOFAR 25KTLX-G3, SOFAR 30KTLX-G3, SOFAR 30KTLX-G3-A, SOFAR 33KTLX-G3, SOFAR 36KTLX-G3, SOFAR 40KTLX-G3, SOFAR 45KTLX-G3, SOFAR 40KTLX-G3-HV, SOFAR 50KTLX-G3-HV
Brand Name:	
Relevant Standards/Directives:	This verification and corresponding evaluation report is considered to constitute technical documentation sufficient for an EC Declaration of Conformity and CE marking of the product according to Directive 2011/65/EU and (EU) 2015/863 of the European Parliament and of the Council with regard to the restriction of the use of certain hazardous substances in electrical and electronic equipment.
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Room 02, 1-8F.& Room 01, 101/E201/E301/E401/E501/E601/E701/E801, No.7-2, Caipin Road, Science City, GETDD, Guangzhou, Guangdong, China.
Date of Tests:	Nov 9, 2021 to Jan 11, 2022
Test Report Number(s):	211108059GZU-006

Signature 

Name: Hay.zhao
Position: Engineer
Date: 18 May, 2022

VERIFICATION OF COMPLIANCE

No.: **GZES2109026996PV**

Applicant: **Shenzhen SOFARSOLAR Co., Ltd.**
401, Building 4, AnTongDa Industrial Park, District 68,
XingDong Community, XinAn Street, BaoAn District, Shenzhen
City, Guangdong Province, P.R. China

Manufacturer: **Shenzhen SOFARSOLAR Co., Ltd.**
401, Building 4, AnTongDa Industrial Park, District 68,
XingDong Community, XinAn Street, BaoAn District, Shenzhen
City, Guangdong Province, P.R. China

Product Name: Solar Grid-tied Inverter

Product Description: Grid connected photovoltaic inverter

Model No.: **SOFAR 40KTLX-G3, SOFAR 45KTLX-G3,
SOFAR 50KTLX-G3**

Trade Mark:



Intended Use: PV system

Rating: See page 2

Additional Information (if any): IP 65, Class I

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: **EN 50530:2010/A1:2013**

as shown in the

Test Report Number(s): **GZES210902699601**

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant specific standards.



David Guo
Senior Technical Manager
SGS-CSTC

2021-10-21

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Member of SGS Group (Société Générale de Surveillance)



No.:

GZES2109026996PV

Other information added:

Rating:

Model Number	SOFAR 40KTLX-G3	SOFAR 45KTLX-G3	SOFAR 50KTLX-G3
PV Side			
Max. DC Input Voltage	1100Vd.c.	1100Vd.c.	1100Vd.c.
Operating MPPT Voltage Range	180-1000Vd.c.	180-1000Vd.c.	180-1000Vd.c.
Full load MPP DC voltage range	480-850Vd.c.	510-850Vd.c.	540-850Vd.c.
Max. PV Isc	4*50A	4*50A	4*50A
AC Side			
Nominal Grid Voltage	3P/N/PE 230/400Vac	3P/N/PE 230/400Vac	3P/N/PE 230/400Vac
Max. Output Current	66.7A	75.8A	83.3A
Rated grid frequency	50Hz	50Hz	50Hz
Rated output power	40000W	45000W	50000W
Power Factor	1(adjustable+/-0.8)	1(adjustable+/-0.8)	1(adjustable+/-0.8)
Ingress Protection	IP65	IP65	IP65
Protective Class	I	I	I



David Guo
Senior Technical Manager
SGS-CSTC

2021-10-21

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VERIFICATION OF COMPLIANCE

No.: **GZES2109026996PV**

Applicant: **Shenzhen SOFARSOLAR Co., Ltd.**
401, Building 4, AnTongDa Industrial Park, District 68,
XingDong Community, XinAn Street, BaoAn District, Shenzhen
City, Guangdong Province, P.R. China

Manufacturer: **Shenzhen SOFARSOLAR Co., Ltd.**
401, Building 4, AnTongDa Industrial Park, District 68,
XingDong Community, XinAn Street, BaoAn District, Shenzhen
City, Guangdong Province, P.R. China

Product Name: Solar Grid-tied Inverter

Product Description: Grid connected photovoltaic inverter

Model No.: **SOFAR 40KTLX-G3, SOFAR 45KTLX-G3,
SOFAR 50KTLX-G3**

Trade Mark:



Intended Use: PV system

Rating: See page 2

Additional Information (if any): IP 65, Class I

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: **EN 50530:2010/A1:2013**

as shown in the

Test Report Number(s): **GZES210902699601**

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant specific standards.



David Guo
Senior Technical Manager
SGS-CSTC

2021-10-21

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No.:

GZES2109026996PV

Other information added:

Rating:

Model Number	SOFAR 40KTLX-G3	SOFAR 45KTLX-G3	SOFAR 50KTLX-G3
PV Side			
Max. DC Input Voltage	1100Vd.c.	1100Vd.c.	1100Vd.c.
Operating MPPT Voltage Range	180-1000Vd.c.	180-1000Vd.c.	180-1000Vd.c.
Full load MPP DC voltage range	480-850Vd.c.	510-850Vd.c.	540-850Vd.c.
Max. PV Isc	4*50A	4*50A	4*50A
AC Side			
Nominal Grid Voltage	3P/N/PE 230/400Vac	3P/N/PE 230/400Vac	3P/N/PE 230/400Vac
Max. Output Current	66.7A	75.8A	83.3A
Rated grid frequency	50Hz	50Hz	50Hz
Rated output power	40000W	45000W	50000W
Power Factor	1(adjustable+/-0.8)	1(adjustable+/-0.8)	1(adjustable+/-0.8)
Ingress Protection	IP65	IP65	IP65
Protective Class	I	I	I



David Guo
Senior Technical Manager
SGS-CSTC

2021-10-21

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Member of SGS Group (Société Générale de Surveillance)

CERTIFICADO DE CONFORMIDAD

Por medio del certificado de producto número / By the product certificate number

N. 2621/0362-5-A-CER

Emitido a / Issued to:

Titular del certificado /

License holder:

Shenzhen SOFARSOLAR Co., Ltd.

401, Building 4, AnTongDa Industrial Park, District 68, XingDong Community, XinAn Street, BaoAn District. Shenzhen City, Guangdong Province, P.R. China

Marca / Trademark:



Fábrica / Factory:

Dongguan SOFAR SOLAR Co., Ltd.

1F – 6F, Building E, No.1 JinQi Road, Bihu Industrial Park. Wulian Village, Fenggang Town, Dongguan, P.R. China



Se certifica que el producto / It is certified that the product:

Tipo de aparato / Type of product: **Inversor trifásico / Three phase inverter**

Modelos / Models:

SOFAR 25KTLX-G3 / SOFAR 30KTLX-G3 / SOFAR 30KTLX-G3-A / SOFAR 33KTLX-G3 / SOFAR 36KTLX-G3 / SOFAR 40KTLX-G3/ SOFAR 45KTLX-G3 / SOFAR 50KTLX-G3

Datos Técnicos /

Technical Data:

Potencia Nominal / Nominal Power

Ver página 2 / See page 2

Tensión Nominal / Nominal Voltage

Ver página 2 / See page 2

Frecuencia / Frequency

50 Hz

Versión Firmware / Firmware version

V000001

Número de fases / Number of phases

Trifásico / Three phases

Transformador de aislamiento / Isolation transformer

NO

Elemento de control / Control device

Externo (ver página 3/ See page 3)

Está en cumplimiento con la norma / Is in compliance with the standard:

- **UNE 217001: 2020** “Ensayos para sistemas que eviten el vertido de energía a la red de distribución”

Esta en cumplimiento con los requisitos de la regulación / Is in compliance with the requirements of regulation:

- **Anexo I de la ITC-BT-40 “Sistemas para evitar el vertido de energía a la red”**
Reglamento electrotécnico para baja tensión e ITC. Edición actualizada a 9 de agosto de 2021.

El equipo antes mencionado está certificado conforme con el procedimiento interno de SGS PE.T-ECPE-51 de acuerdo con los requisitos de la norma UNE-EN ISO/IEC 17065. / Aforementioned equipment is certified according to SGS internal procedure PE.T-ECPE-51 according to requirements established on standard UNE-EN ISO/IEC 17065.

El certificado contiene la siguiente información / This certificate contains the following information:

- Datos técnicos de los generadores de potencia. / Technical information of power generators.
- Datos técnicos de los analizadores de potencia / Technical information on power analyzers.,
- Esquema de la instalación de limitación de potencia con los elementos que la componen y tipo de comunicaciones empleado. / Scheme covering the elements and the installation to limit power injection and the used type of communication.

Este certificado se emite por vez primera: 17 de enero de 2022. / This certificate is first issued on 17th of January 2022.

Este certificado es válido hasta: 17 de enero de 2027. / This certificate is valid until the 17th of January 2027.

Madrid, 17 de enero de 2022

Daniel Arranz Muñiz
Certification Manager



SGS Tecnos, S.A. C/ Trespademe, 29 - 28042 Madrid

This certificate is issued by SGS under its General Conditions for Product Certification at www.sgs.com/terms_and_conditions.

The status and validity of the certificate can be checked scanning the QR code above included or through the following web link database:

<https://www.sgs.com/en/certified-clients-and-products/electrical-products>

This document cannot be reproduced partially

N. 2621/0362-5-A-CER

Page 1 of 3

Lista de características / List of characteristics:

Model	SOFAR 25KTLX-G3	SOFAR 30KTLX-G3	SOFAR 30KTLX-G3-A	SOFAR 33KTLX-G3
DC Input				
Max. DC voltage	1100 V			
MPPT voltage range	180 V~1000 V			
Full power MPPT voltage range	480 V-850 V	480 V-850 V	480 V-850 V	510 V-850 V
Max. input current	3*40 A			
AC Output				
Rated AC Output power	25 kW	30 kW	29.9 kW	33 kW
Max. AC Output power	28 kVA	34 kVA	29.9 kVA	37 kVA
Rated current	36.2 A	43.5 A	43.3 A	47.8 A
Max. output current	42.4 A	51.5 A	45.3 A	56.0 A
Nominal grid voltage	3/N/PE, 230 V/400 V			
Nominal output frequency	50 Hz			

Model	SOFAR 36KTLX-G3	SOFAR 40KTLX-G3	SOFAR 45KTLX-G3	SOFAR 50KTLX-G3
DC Input				
Max. DC voltage	1100 V			
MPPT voltage range	180 V~1000 V			
Full power MPPT voltage range	540 V-850 V	480 V-850 V	510 V-850 V	540 V-850 V
Max. input current	3*40 A	4*40 A	4*40 A	4*40 A
AC Output				
Rated AC Output power	36 kW	40 kW	45 kW	50 kW
Max. AC Output power	40 kVA	44 kVA	50 kVA	55 kVA
Rated current	52.2 A	58.0 A	65.2 A	72.5 A
Max. output current	60.6 A	66.7 A	75.8 A	83.3 A
Nominal grid voltage	3/N/PE, 230 V/400 V			
Nominal output frequency	50 Hz			



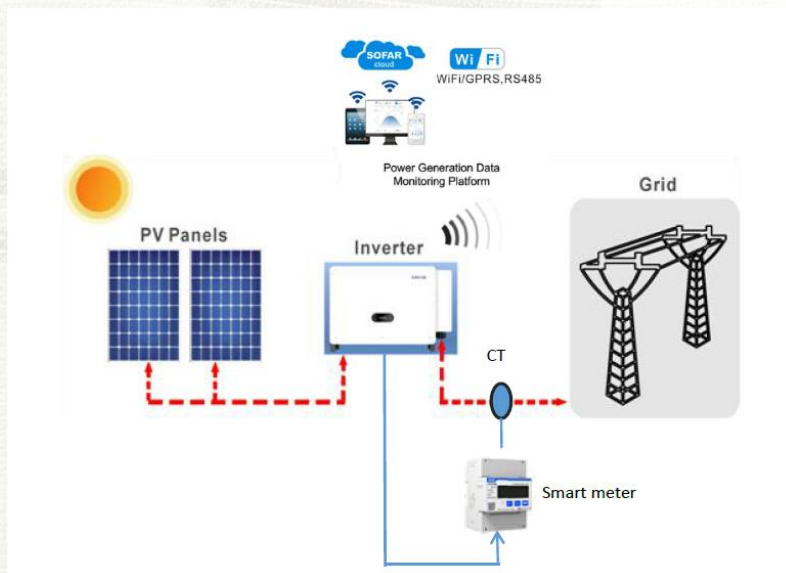
Lista de componentes de instalación / List of installation components:

ANALIZADOR DE PONTENCIA / ENERGY METER	
Marca / Brand	Chint
Modelo / Model:	DTSU666
Fabricante / Manufacturer:	Zhejiang Chint Instrument & Meter Co., Ltd.
Características / Characteristics	230 V _{ac} / 400 V _{ac} , 0.05~1.5 A _{ac} (max.6 A), 50/60 Hz, 6400 Imp/kWh Power accuracy: 0.5% Firmware Version: 3.04 IP 51, Cl.0.5s Provided with split core current transformer model HY94C5-200

Transformador de corriente / Current transformer:

TRANSFORMADOR DE CORRIENTE / CURRENT TRANSFORMER	
Marca / Brand	STMHALL
Modelo / Model:	HY94C5-200
Fabricante / Manufacturer:	Beijing STM Measurement & Control Technology Co., Ltd.
Características / Characteristics	Current ratio 200 A Accuracy class 0.5%

Esquema de la instalación / Installation scheme



El número máximo de generadores a conectar en paralelo es / Maximum number of inverters to be connected in parallel is:

- **No aplica / Not applicable.**

Nota: Según declarado por el fabricante, cada inversor debe conectarse a un analizador de potencia. De modo que no es posible la operación en paralelo varios inversores que no dispongan de analizador de potencia independiente.
Note: as specified by the manufacturer, every inverter shall be connected to an energy meter. Inverters are not allowed to work in parallel without energy meter.



CERTIFICATE

of conformity with the following European Directives
Low Voltage Directive 2014/35/EU

This certifies that below described products of the applicant:

Shenzhen SOFARSOLAR Co., Ltd.

401, Building 4, AnTongDa Industrial Park, District 68, XingDong
Community, XinAn Street, BaoAn District,
Shenzhen, China.

comply to the essential requirements of the above mentioned European Directive and the following standards,
taking into account the German national deviations:

Product(s):	Solar Grid-tied Inverter
Model type(s):	SOFAR 25KTLX-G3, SOFAR 30KTLX-G3, SOFAR 30KTLX-G3-A, SOFAR 33KTLX-G3, SOFAR 36KTLX-G3, SOFAR 40KTLX-G3, SOFAR 45KTLX-G3, SOFAR 50KTLX-G3, SOFAR 40KTLX-G3-HV, SOFAR 50KTLX-G3-HV
Standard(s):	EN 62109-1:2010, EN 62109-2:2011

This certificate of conformity is based on the evaluation of samples of the product. It does not imply an
assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the
TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-
Declaration of Conformity.

Registered no.:	44 799 21 406749 - 124R1
Report no.:	492011831.002
File no.:	PVP07047/21B-01



TÜV NORD CERT GmbH
Certification Body
Balance of System (BOS) for Photovoltaics

Essen, 2021-11-08

TÜV NORD CERT GmbH Langemarckstraße 20 45141 Essen www.tuev-nord-cert.de prodcert@tuev-nord.de

Please also pay attention to the information stated overleaf.

ANNEX

Annex 1, Page 1 of 12

to Certificate registration no. 44 799 21 406749 - 124R1

Description of product(s):

Model type	SOFAR 25KTLX-G3		
General information			
Type of inverter	Transformer-less	Separated by	Non-isolated
Safety Class	Class I	IP grade	IP65
Over-voltage Category	II (PV) III (AC mains)	Pollution degree	External:3 Internal:2
Operating temperature	-30°C~60°C (>50°C power derating)	Maximum Altitude	4000m
Weight	36kg	Dimension (W x H x D)	585*480*220mm
Hardware Version	V102	Software Version	V000001
PV input			
Vmax	1100V	Isc	3*50A
MPP voltage range	180-1000V	Number of MPPT tracking	3
Max. input current	3*40A		
AC output			
Rated Output Voltage	380/400V, 3/N/PE	Rated Output Frequency	50/60Hz
Rated output power	25000W	Max. apparent power	28000VA



ANNEX

Annex 1, Page 2 of 12

to Certificate registration no. 44 799 21 406749 - 124R1

Max. output current	42.4A	Power factor	1 (adjustable+/-0.8)
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Model type	SOFAR 30KTLX-G3		
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General information			
Type of inverter	Transformer-less	Separated by	Non-isolated
Safety Class	Class I	IP grade	IP65
Over-voltage Category	II (PV) III (AC mains)	Pollution degree	External:3 Internal:2
Operating temperature	-30°C~60°C (>50°C power derating)	Maximum Altitude	4000m
Weight	36kg	Dimension (W x H x D)	585*480*220mm
Hardware Version	V102	Software Version	V000001
PV input			
Vmax	1100V	Isc	3*50A
MPP voltage range	180-1000V	Number of MPPT tracking	3
Max. input current	3*40A		
AC output			



ANNEX

Annex 1, Page 3 of 12

to Certificate registration no. 44 799 21 406749 - 124R1

Rated Output Voltage	380/400V, 3/N/PE	Rated Output Frequency	50/60Hz
Rated output power.....	30000W	Max. apparent power	34000VA
Max. output current	51.5A	Power factor.....	1 (adjustable+/-0.8)

Model type	SOFAR 33KTLX-G3
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General information

Type of inverter	Transformer-less	Separated by	Non-isolated
Safety Class	Class I	IP grade	IP65
Over-voltage Category.....	II (PV) III (AC mains)	Pollution degree.....	External:3 Internal:2
Operating temperature.....	-30°C~60°C (>50°C power derating)	Maximum Altitude	4000m
Weight.....	36kg	Dimension (W x H x D).....	585*480*220mm
Hardware Version	V102	Software Version	V000001

PV input

Vmax.....	1100V	Isc	3*50A
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MPP voltage range	180-1000V	Number of MPPT tracking	3
Max. input current.....	3*40A		
AC output			
Rated Output Voltage	380/400V, 3/N/PE	Rated Output Frequency	50/60Hz
Rated output power.....	33000W	Max. apparent power	37000VA
Max. output current.....	56A	Power factor.....	1 (adjustable+/-0.8)

Model type	SOFAR 30KTLX-G3-A		
General information			
Type of inverter	Transformer-less	Separated by	Non-isolated
Safety Class	Class I	IP grade	IP65
Over-voltage Category.....	II (PV) III (AC mains)	Pollution degree.....	External:3 Internal:2
Operating temperature.....	-30°C~60°C (>50°C power derating)	Maximum Altitude	4000m
Weight.....	36kg	Dimension (W x H x D)	585*480*220mm



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Hardware Version	V102	Software Version	V000001
PV input			
Vmax.....	1100V	Isc	3*50A
MPP voltage range	180-1000V	Number of MPPT tracking	3
Max. input current.....	3*40A		
AC output			
Rated Output Voltage	380/400V, 3/N/PE	Rated Output Frequency	50/60Hz
Rated output power.....	29900W	Max. apparent power	29900VA
Max. output current	45.3A	Power factor.....	1 (adjustable+/-0.8)

Model type	SOFAR 36KTLX-G3		
General information			
Type of inverter	Transformer-less	Separated by	Non-isolated
Safety Class	Class I	IP grade	IP65
Over-voltage Category.....	II (PV) III (AC mains)	Pollution degree.....	External:3 Internal:2



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Operating temperature.....:	-30°C~60°C (>50°C power derating)	Maximum Altitude	4000m
Weight.....:	36kg	Dimension (W x H x D)	585*480*220mm
Hardware Version	V102	Software Version	V000001
PV input			
Vmax.....:	1100V	Isc	3*50A
MPP voltage range	180-1000V	Number of MPPT tracking	3
Max. input current.....:	3*40A		
AC output			
Rated Output Voltage	380/400V, 3/N/PE	Rated Output Frequency	50/60Hz
Rated output power.....:	36000W	Max. apparent power	40000VA
Max. output current.....:	60.6A	Power factor.....:	1 (adjustable+/-0.8)

Model type	SOFAR 40KTLX-G3		
General information			
Type of inverter.....:	Transformer-less	Separated by	Non-isolated



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Safety Class.....:	Class I	IP grade.....:	IP65
Over-voltage Category.....:	II (PV) III (AC mains)	Pollution degree.....:	External:3 Internal:2
Operating temperature.....:	-30°C~60°C (>50°C power derating)	Maximum Altitude.....:	4000m
Weight.....:	37kg	Dimension (W x H x D).....:	585*480*220mm
Hardware Version.....:	V102	Software Version.....:	V000001
PV input			
Vmax.....:	1100V	Isc.....:	4*50A
MPP voltage range.....:	180-1000V	Number of MPPT tracking.....:	4
Max. input current.....:	4*40A		
AC output			
Rated Output Voltage.....:	380/400V, 3/N/PE	Rated Output Frequency.....:	50/60Hz
Rated output power.....:	40000W	Max. apparent power.....:	44000VA
Max. output current.....:	66.7A	Power factor.....:	1 (adjustable+/-0.8)



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Model type	SOFAR 45KTLX-G3		
General information			
Type of inverter	Transformer-less	Separated by	Non-isolated
Safety Class	Class I	IP grade	IP65
Over-voltage Category	II (PV) III (AC mains)	Pollution degree	External:3 Internal:2
Operating temperature	-30°C~60°C (>50°C power derating)	Maximum Altitude	4000m
Weight	37kg	Dimension (W x H x D)	585*480*220mm
Hardware Version	V102	Software Version	V000001
PV input			
Vmax	1100V	Isc	4*50A
MPP voltage range	180-1000V	Number of MPPT tracking	4
Max. input current	4*40A		
AC output			
Rated Output Voltage	380/400V, 3/N/PE	Rated Output Frequency	50/60Hz
Rated output power	45000W	Max. apparent power	50000VA



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Max. output current.....:	75.8A	Power factor.....:	1 (adjustable+/-0.8)
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Model type	SOFAR 50KTLX-G3		
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General information			
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Type of inverter.....:	Transformer-less	Separated by	Non-isolated
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Safety Class.....:	Class I	IP grade	IP65
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Over-voltage Category.....:	II (PV) III (AC mains)	Pollution degree.....:	External:3 Internal:2
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Operating temperature.....:	-30°C~60°C (>50°C power derating)	Maximum Altitude	4000m
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Weight.....:	37kg	Dimension (W x H x D).....:	585*480*220mm
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Hardware Version	V102	Software Version	V000001
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PV input			
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Vmax.....:	1100V	Isc	4*50A
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MPP voltage range	180-1000V	Number of MPPT tracking	4
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Max. input current.....:	4*40A		
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AC output			
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Rated Output Voltage	380/400V, 3/N/PE	Rated Output Frequency	50/60Hz
Rated output power.....	50000W	Max. apparent power	55000VA
Max. output current	83.3A	Power factor.....	.1 (adjustable+/-0.8)

Model type	SOFAR 40KTLX-G3-HV		
General information			
Type of inverter	Transformer-less	Separated by	Non-isolated
Safety Class	Class I	IP grade	IP65
Over-voltage Category.....	II (PV) III (AC mains)	Pollution degree.....	External:3 Internal:2
Operating temperature.....	-30°C~60°C (>50°C power derating)	Maximum Altitude	4000m
Weight.....	37kg	Dimension (W x H x D)	585*480*220mm
Hardware Version	V102	Software Version	V000001
PV input			
Vmax.....	1100V	Isc	3*50A



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MPP voltage range	180-1000V	Number of MPPT tracking	3
Max. input current.....	3*40A		
AC output			
Rated Output Voltage	480V, 3/N/PE	Rated Output Frequency	50/60Hz
Rated output power.....	40000W	Max. apparent power.....	44000VA
Max. output current	53A	Power factor.....	1 (adjustable+/-0.8)

Model type	SOFAR 50KTLX-G3-HV		
General information			
Type of inverter	Transformer-less	Separated by	Non-isolated
Safety Class.....	Class I	IP grade	IP65
Over-voltage Category.....	II (PV) III (AC mains)	Pollution degree.....	External:3 Internal:2
Operating temperature.....	-30°C~60°C (>50°C power derating)	Maximum Altitude	4000m
Weight.....	37kg	Dimension (W x H x D)	585*480*220mm



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Hardware Version	V102	Software Version	V000001
PV input			
Vmax.....	1100V	Isc	4*50A
MPP voltage range	180-1000V	Number of MPPT tracking	4
Max. input current.....	4*40A		
AC output			
Rated Output Voltage	480V, 3/N/PE	Rated Output Frequency	50/60Hz
Rated output power.....	50000W	Max. apparent power	55000VA
Max. output current.....	66.2A	Power factor.....	1 (adjustable+/-0.8)

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.

