

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

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prodcert@tuev-nord.de

Please also pay attention to the information stated overleaf.

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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



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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



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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		
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		
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			



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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.



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