

CERTIFICATE

of conformity with the following European Directives

Low Voltage Directive 2014/35/EU

This certifies that below described products of the applicant:

Shenzhen Kstar New Energy Company Limited.

The 9th Floor, R&D Building, Kstar Industrial Park, Guangming
Hi-tech Industrial Zone, Shenzhen, Guangdong Province,
518107, PEOPLE'S REPUBLIC OF 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):	Grid-Connected PV Inverter
Model type(s):	KSG-25KT-M0, KSG-25KT-M1, KSG-25KT-M2, KSG-25KT-M3, KSG-30KT-M0, KSG-30KT-M1, KSG-30KT-M2, KSG-30KT-M3, KSG-30KT-M4, KSG-30KT-M5, KSG-33KT-M0, KSG-33KT-M1, KSG-33KT-M2, KSG-33KT-M3, KSG-33KT-M4, KSG-33KT-M5, KSG-36KT-M0, KSG-36KT-M1, KSG-36KT-M2, KSG-36KT-M3, KSG-36KT-M4, KSG-36KT-M5, KSG-40KT-M0, KSG-40KT-M1, KSG-40KT-M2, KSG-40KT-M3, KSG-40KT-M4, KSG-40KT-M5
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 - 069
Test report no.:	492011722.001
File no.:	PVP01100/21B-01



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

Essen, 2021-06-25

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.

 The CE marking may be affixed on the product if all relevant and effective Directives are complied with 

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Description of product(s):

Model type	KSG-40KT-M0		
General information			
Type of inverter	No-Isolated	Separated by.....	Transformerless
Safety Class.....	Class I	IP grade	IP66
Over-voltage Category.....	PV Input: II AC Output: III	Pollution degree	External: 3 Internal: 2
Operating temperature.....	-25°C to 60°C (>45°C derating)	Altitude	4000m (>3000m derating)
Weight.....	32.5kg	Dimension (W x H x D)	380mm x 483mm x 227mm
Firmware of control board.....	0.0.0	Firmware of LCD.....	1.0.0
PV input			
Vmax.....	1100V d.c.	Isc.....	40A d.c.*3
MPP voltage range	200V d.c. - 1000V d.c.	Number of MPPT tracking	3
Back-feed current	0A	Max input current.....	26A d.c.*3
AC output			
Rated Output Voltage	400/230V a.c. 3P+N+PE	Rated Output Frequency	50Hz/60Hz
Rated output power	40kW	Max. apparent power	44kVA



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Max output current:	63.8 A a.c.	Power factor $\cos\phi$	[-0.8, 0.8]
Model type	KSG-40KT-M1		
General information			
Type of inverter	No-Isolated	Separated by	Transformerless
Safety Class	Class I	IP grade	IP66
Over-voltage Category	PV Input: II AC Output: III	Pollution degree	External: 3 Internal: 2
Operating temperature	-25°C to 60°C (>45°C derating)	Altitude	4000m (>3000m derating)
Weight	32.5kg	Dimension (W x H x D)	380mm x 483mm x 227mm
Firmware of control board	0.0.0	Firmware of LCD	1.0.0
PV input			
Vmax	1100V d.c.	Isc	40A d.c.*3
MPP voltage range	200V d.c. - 1000V d.c.	Number of MPPT tracking	3
Back-feed current	0A	Max input current	30A d.c.*3
AC output			
Rated Output Voltage	400/230V a.c. 3P+N+PE	Rated Output Frequency	50Hz/60Hz



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Rated output power	40kW	Max. apparent power	44kVA
Max output current.....	63.8 A a.c.	Power factor cosφ	[-0.8, 0.8]

Model type	KSG-40KT-M2		
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General information

Type of inverter.....	No-Isolated	Separated by.....	Transformerless
Safety Class	Class I	IP grade.....	IP66
Over-voltage Category	PV Input: II AC Output: III	Pollution degree	External: 3 Internal: 2
Operating temperature	-25°C to 60°C (>45°C derating)	Altitude	4000m (>3000m derating)
Weight	32.5kg	Dimension (W x H x D)	380mm x 483mm x 227mm
Firmware of control board	0.0.0	Firmware of LCD	1.0.0

PV input

Vmax	1100V d.c.	Isc.....	60A/60A/30A
MPP voltage range.....	200V d.c. - 1000V d.c.	Number of MPPT tracking.....	3
Back-feed current	0A	Max input current.....	36A/36A/18A

AC output



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Rated Output Voltage	400/230V a.c. 3P+N+PE	Rated Output Frequency.....	50Hz/60Hz
Rated output power	40kW	Max. apparent power	44kVA
Max output current.....	63.8 A a.c.	Power factor $\cos\phi$	[-0.8, 0.8]

Model type	KSG-40KT-M3		
General information			
Type of inverter.....	No-Isolated	Separated by.....	Transformerless
Safety Class	Class I	IP grade.....	IP66
Over-voltage Category	PV Input: II AC Output: III	Pollution degree	External: 3 Internal: 2
Operating temperature	-25°C to 60°C (>45°C derating)	Altitude	4000m (>3000m derating)
Weight	32.5kg	Dimension (W x H x D)	380mm x 483mm x 227mm
Firmware of control board	0.0.0	Firmware of LCD	1.0.0
PV input			
Vmax	1100V d.c.	Isc.....	60A/60A/30A
MPP voltage range	200V d.c. - 1000V d.c.	Number of MPPT tracking.....	3
Back-feed current	0A	Max input current.....	40A/40A/20A



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AC output			
Rated Output Voltage	400/230V a.c. 3P+N+PE	Rated Output Frequency	50Hz/60Hz
Rated output power	40kW	Max. apparent power	44kVA
Max output current	63.8 A a.c.	Power factor cosφ	[-0.8, 0.8]

Model type	KSG-40KT-M4		
General information			
Type of inverter	No-Isolated	Separated by	Transformerless
Safety Class	Class I	IP grade	IP66
Over-voltage Category	PV Input: II AC Output: III	Pollution degree	External: 3 Internal: 2
Operating temperature	-25°C to 60°C (>45°C derating)	Altitude	4000m (>3000m derating)
Weight	32.5kg	Dimension (W x H x D)	380mm x 483mm x 227mm
Firmware of control board	0.0.0	Firmware of LCD	1.0.0
PV input			
Vmax	1100V d.c.	Isc	60A d.c.*2
MPP voltage range	200V d.c. - 1000V d.c.	Number of MPPT tracking	2



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Back-feed current	0A	Max input current.....	40A d.c.*2
AC output			
Rated Output Voltage	400/230V a.c. 3P+N+PE	Rated Output Frequency.....	50Hz/60Hz
Rated output power	40kW	Max. apparent power	44kVA
Max output current.....	63.8 A a.c.	Power factor cosφ	[-0.8, 0.8]

Model type	KSG-40KT-M5		
General information			
Type of inverter.....	No-Isolated	Separated by.....	Transformerless
Safety Class	Class I	IP grade.....	IP66
Over-voltage Category	PV Input: II AC Output: III	Pollution degree	External: 3 Internal: 2
Operating temperature	-25°C to 60°C (>45°C derating)	Altitude	4000m (>3000m derating)
Weight	32.5kg	Dimension (W x H x D)	380mm x 483mm x 247mm
Firmware of control board	0.0.0	Firmware of LCD	1.0.0
PV input			
Vmax	1100V d.c.	Isc.....	60A/60A/40A



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MPP voltage range	200V d.c. - 1000V d.c.	Number of MPPT tracking.....	3
Back-feed current	0A	Max input current.....	39A/39A/26A
AC output			
Rated Output Voltage	400/230V a.c. 3P+N+PE	Rated Output Frequency.....	50Hz/60Hz
Rated output power	40kW	Max. apparent power	44kVA
Max output current.....	63.8 A a.c.	Power factor cosφ	[-0.8, 0.8]

Model type	KSG-36KT-M0		
General information			
Type of inverter.....	No-Isolated	Separated by.....	Transformerless
Safety Class	Class I	IP grade.....	IP66
Over-voltage Category	PV Input: II AC Output: III	Pollution degree	External: 3 Internal: 2
Operating temperature	-25°C to 60°C (>45°C derating)	Altitude	4000m (>3000m derating)
Weight	32.5kg	Dimension (W x H x D)	380mm x 483mm x 227mm
Firmware of control board	0.0.0	Firmware of LCD	1.0.0
PV input			



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Vmax	1100V d.c.	Isc.....	40A d.c.*3
MPP voltage range.....	200V d.c. - 1000V d.c.	Number of MPPT tracking.....	3
Back-feed current	0A	Max input current.....	26A d.c.*3
AC output			
Rated Output Voltage	400/230V a.c. 3P+N+PE	Rated Output Frequency.....	50Hz/60Hz
Rated output power	36kW	Max. apparent power	39.6kVA
Max output current.....	57.3 A a.c.	Power factor cosφ	[-0.8, 0.8]

Model type	KSG-36KT-M1		
General information			
Type of inverter.....	No-Isolated	Separated by.....	Transformerless
Safety Class	Class I	IP grade.....	IP66
Over-voltage Category	PV Input: II AC Output: III	Pollution degree	External: 3 Internal: 2
Operating temperature	-25°C to 60°C (>45°C derating)	Altitude	4000m (>3000m derating)
Weight	32.5kg	Dimension (W x H x D).....	380mm x 483mm x 227mm
Firmware of control board	0.0.0	Firmware of LCD	1.0.0



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PV input			
Vmax	1100V d.c.	Isc.....	40A d.c.*3
MPP voltage range.....	200V d.c. - 1000V d.c.	Number of MPPT tracking.....	3
Back-feed current.....	0A	Max input current.....	30A d.c.*3
AC output			
Rated Output Voltage.....	400/230V a.c. 3P+N+PE	Rated Output Frequency.....	50Hz/60Hz
Rated output power.....	36kW	Max. apparent power.....	39.6kVA
Max output current.....	57.3 A a.c.	Power factor cosφ.....	[-0.8, 0.8]

Model type	KSG-36KT-M2		
General information			
Type of inverter	No-Isolated	Separated by	Transformerless
Safety Class.....	Class I	IP grade	IP66
Over-voltage Category.....	PV Input: II AC Output: III	Pollution degree.....	External: 3 Internal: 2
Operating temperature.....	-25°C to 60°C (>45°C derating)	Altitude.....	4000m (>3000m derating)
Weight.....	32.5kg	Dimension (W x H x D).....	380mm x 483mm x 227mm



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Firmware of control board	0.0.0	Firmware of LCD	1.0.0
PV input			
Vmax	1100V d.c.	Isc	60A/60A/30A
MPP voltage range	200V d.c. - 1000V d.c.	Number of MPPT tracking	3
Back-feed current.....	0A	Max input current.....	36A/36A/18A
AC output			
Rated Output Voltage	400/230V a.c. 3P+N+PE	Rated Output Frequency	50Hz/60Hz
Rated output power.....	36kW	Max. apparent power	39.6kVA
Max output current.....	57.3 A a.c.	Power factor cosφ.....	[-0.8, 0.8]

Model type	KSG-36KT-M3		
General information			
Type of inverter	No-Isolated	Separated by	Transformerless
Safety Class.....	Class I	IP grade	IP66
Over-voltage Category	PV Input: II AC Output: III	Pollution degree.....	External: 3 Internal: 2
Operating temperature.....	-25°C to 60°C (>45°C derating)	Altitude.....	4000m (>3000m derating)



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Weight.....:	32.5kg	Dimension (W x H x D).....:	380mm x 483mm x 227mm
Firmware of control board.....:	0.0.0	Firmware of LCD.....:	1.0.0
PV input			
Vmax.....:	1100V d.c.	Isc.....:	60A/60A/30A
MPP voltage range.....:	200V d.c. - 1000V d.c.	Number of MPPT tracking.....:	3
Back-feed current.....:	0A	Max input current.....:	40A/40A/20A
AC output			
Rated Output Voltage.....:	400/230V a.c. 3P+N+PE	Rated Output Frequency.....:	50Hz/60Hz
Rated output power.....:	36kW	Max. apparent power.....:	39.6kVA
Max output current.....:	57.3 A a.c.	Power factor cosφ.....:	[-0.8, 0.8]

Model type.....:	KSG-36KT-M4		
General information			
Type of inverter.....:	No-Isolated	Separated by.....:	Transformerless
Safety Class.....:	Class I	IP grade.....:	IP66
Over-voltage Category.....:	PV Input: II AC Output: III	Pollution degree.....:	External: 3 Internal: 2
Operating temperature.....:	-25°C to 60°C	Altitude.....:	4000m



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	(>45°C derating)		(>3000m derating)
Weight.....	32.5kg	Dimension (W x H x D).....	380mm x 483mm x 227mm
Firmware of control board.....	0.0.0	Firmware of LCD	1.0.0
PV input			
Vmax.....	1100V d.c.	Isc	60A d.c.*2
MPP voltage range	200V d.c. - 1000V d.c.	Number of MPPT tracking	2
Back-feed current.....	0A	Max input current.....	40A d.c.*2
AC output			
Rated Output Voltage	400/230V a.c. 3P+N+PE	Rated Output Frequency	50Hz/60Hz
Rated output power.....	36kW	Max. apparent power.....	39.6kVA
Max output current.....	57.3 A a.c.	Power factor cosφ.....	[-0.8, 0.8]

Model type	KSG-36KT-M5		
General information			
Type of inverter	No-Isolated	Separated by	Transformerless
Safety Class.....	Class I	IP grade	IP66
Over-voltage Category.....	PV Input: II AC Output: III	Pollution degree.....	External: 3 Internal: 2



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Operating temperature.....:	-25°C to 60°C (>45°C derating)	Altitude.....:	4000m (>3000m derating)
Weight.....:	32.5kg	Dimension (W x H x D).....:	380mm x 483mm x 247mm
Firmware of control board.....:	0.0.0	Firmware of LCD.....:	1.0.0
PV input			
Vmax.....:	1100V d.c.	Isc.....:	60A/60A/40A
MPP voltage range.....:	200V d.c. - 1000V d.c.	Number of MPPT tracking.....:	3
Back-feed current.....:	0A	Max input current.....:	39A/39A/26A
AC output			
Rated Output Voltage.....:	400/230V a.c. 3P+N+PE	Rated Output Frequency.....:	50Hz/60Hz
Rated output power.....:	36kW	Max. apparent power.....:	39.6kVA
Max output current.....:	57.3 A a.c.	Power factor cosφ.....:	[-0.8, 0.8]

Model type.....:	KSG-33KT-M0		
General information			
Type of inverter.....:	No-Isolated	Separated by.....:	Transformerless
Safety Class.....:	Class I	IP grade.....:	IP66
Over-voltage Category.....:	PV Input: II	Pollution degree.....:	External: 3



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	AC Output: III		Internal: 2
Operating temperature.....:	-25°C to 60°C (>45°C derating)	Altitude.....:	4000m (>3000m derating)
Weight.....:	32.5kg	Dimension (W x H x D).....:	380mm x 483mm x 227mm
Firmware of control board.....:	0.0.0	Firmware of LCD.....:	1.0.0
PV input			
Vmax.....:	1100V d.c.	Isc.....:	40A d.c.*3
MPP voltage range.....:	200V d.c. - 1000V d.c.	Number of MPPT tracking.....:	3
Back-feed current.....:	0A	Max input current.....:	26A d.c.*3
AC output			
Rated Output Voltage.....:	400/230V a.c. 3P+N+PE	Rated Output Frequency.....:	50Hz/60Hz
Rated output power.....:	33kW	Max. apparent power.....:	36.3kVA
Max output current.....:	52.6 A a.c.	Power factor cosφ.....:	[-0.8, 0.8]

Model type.....:	KSG-33KT-M1		
General information			
Type of inverter.....:	No-Isolated	Separated by.....:	Transformerless
Safety Class.....:	Class I	IP grade.....:	IP66



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Over-voltage Category.....:	PV Input: II AC Output: III	Pollution degree.....:	External: 3 Internal: 2
Operating temperature.....:	-25°C to 60°C (>45°C derating)	Altitude.....:	4000m (>3000m derating)
Weight.....:	32.5kg	Dimension (W x H x D).....:	380mm x 483mm x 227mm
Firmware of control board.....:	0.0.0	Firmware of LCD.....:	1.0.0
PV input			
Vmax.....:	1100V d.c.	Isc.....:	40A d.c.*3
MPP voltage range.....:	200V d.c. - 1000V d.c.	Number of MPPT tracking.....:	3
Back-feed current.....:	0A	Max input current.....:	30A d.c.*3
AC output			
Rated Output Voltage.....:	400/230V a.c. 3P+N+PE	Rated Output Frequency.....:	50Hz/60Hz
Rated output power.....:	33kW	Max. apparent power.....:	36.3kVA
Max output current.....:	52.6 A a.c.	Power factor cosφ.....:	[-0.8, 0.8]

Model type.....:	KSG-33KT-M2		
General information			
Type of inverter.....:	No-Isolated	Separated by.....:	Transformerless



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Safety Class	Class I	IP grade	IP66
Over-voltage Category	PV Input: II AC Output: III	Pollution degree	External: 3 Internal: 2
Operating temperature	-25°C to 60°C (>45°C derating)	Altitude	4000m (>3000m derating)
Weight	32.5kg	Dimension (W x H x D)	380mm x 483mm x 227mm
Firmware of control board	0.0.0	Firmware of LCD	1.0.0
PV input			
Vmax	1100V d.c.	Isc	60A/60A/30A
MPP voltage range	200V d.c. - 1000V d.c.	Number of MPPT tracking	3
Back-feed current	0A	Max input current	36A/36A/18A
AC output			
Rated Output Voltage	400/230V a.c. 3P+N+PE	Rated Output Frequency	50Hz/60Hz
Rated output power	33kW	Max. apparent power	36.3kVA
Max output current	52.6 A a.c.	Power factor cosφ	[-0.8, 0.8]

Model type	KSG-33KT-M3
General information	



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Type of inverter	No-Isolated	Separated by	Transformerless
Safety Class	Class I	IP grade	IP66
Over-voltage Category	PV Input: II AC Output: III	Pollution degree	External: 3 Internal: 2
Operating temperature	-25°C to 60°C (>45°C derating)	Altitude	4000m (>3000m derating)
Weight	32.5kg	Dimension (W x H x D)	380mm x 483mm x 227mm
Firmware of control board	0.0.0	Firmware of LCD	1.0.0
PV input			
Vmax	1100V d.c.	Isc	60A/60A/30A
MPP voltage range	200V d.c. - 1000V d.c.	Number of MPPT tracking	3
Back-feed current	0A	Max input current	40A/40A/20A
AC output			
Rated Output Voltage	400/230V a.c. 3P+N+PE	Rated Output Frequency	50Hz/60Hz
Rated output power	33kW	Max. apparent power	36.3kVA
Max output current	52.6 A a.c.	Power factor cosφ	[-0.8, 0.8]



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Model type	KSG-33KT-M4		
General information			
Type of inverter	No-Isolated	Separated by	Transformerless
Safety Class	Class I	IP grade	IP66
Over-voltage Category	PV Input: II AC Output: III	Pollution degree	External: 3 Internal: 2
Operating temperature	-25°C to 60°C (>45°C derating)	Altitude	4000m (>3000m derating)
Weight	32.5kg	Dimension (W x H x D)	380mm x 483mm x 227mm
Firmware of control board	0.0.0	Firmware of LCD	1.0.0
PV input			
Vmax	1100V d.c.	Isc	60A d.c.*2
MPP voltage range	200V d.c. - 1000V d.c.	Number of MPPT tracking	2
Back-feed current	0A	Max input current	40A d.c.*2
AC output			
Rated Output Voltage	400/230V a.c. 3P+N+PE	Rated Output Frequency	50Hz/60Hz
Rated output power	33kW	Max. apparent power	36.3kVA
Max output current	52.6 A a.c.	Power factor cosφ	[-0.8, 0.8]



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Model type	KSG-33KT-M5		
General information			
Type of inverter	No-Isolated	Separated by	Transformerless
Safety Class	Class I	IP grade	IP66
Over-voltage Category	PV Input: II AC Output: III	Pollution degree	External: 3 Internal: 2
Operating temperature	-25°C to 60°C (>45°C derating)	Altitude	4000m (>3000m derating)
Weight	32.5kg	Dimension (W x H x D)	380mm x 483mm x 247mm
Firmware of control board	0.0.0	Firmware of LCD	1.0.0
PV input			
Vmax	1100V d.c.	Isc	60A/60A/40A
MPP voltage range	200V d.c. - 1000V d.c.	Number of MPPT tracking	3
Back-feed current	0A	Max input current	39A/39A/26A
AC output			
Rated Output Voltage	400/230V a.c. 3P+N+PE	Rated Output Frequency	50Hz/60Hz
Rated output power	33kW	Max. apparent power	36.3kVA
Max output current	52.6 A a.c.	Power factor cosφ	[-0.8, 0.8]



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Model type	KSG-30KT-M0		
General information			
Type of inverter	No-Isolated	Separated by	Transformerless
Safety Class	Class I	IP grade	IP66
Over-voltage Category	PV Input: II AC Output: III	Pollution degree	External: 3 Internal: 2
Operating temperature	-25°C to 60°C (>45°C derating)	Altitude	4000m (>3000m derating)
Weight	32.5kg	Dimension (W x H x D)	380mm x 483mm x 227mm
Firmware of control board	0.0.0	Firmware of LCD	1.0.0
PV input			
Vmax	1100V d.c.	Isc	40A d.c.*3
MPP voltage range	200V d.c. - 1000V d.c.	Number of MPPT tracking	3
Back-feed current	0A	Max input current	26A d.c.*3
AC output			
Rated Output Voltage	400/230V a.c. 3P+N+PE	Rated Output Frequency	50Hz/60Hz
Rated output power	30kW	Max. apparent power	33kVA
Max output current	47.8A a.c.	Power factor cosφ	[-0.8, 0.8]



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Model type	KSG-30KT-M1		
General information			
Type of inverter	No-Isolated	Separated by	Transformerless
Safety Class	Class I	IP grade	IP66
Over-voltage Category	PV Input: II AC Output: III	Pollution degree	External: 3 Internal: 2
Operating temperature	-25°C to 60°C (>45°C derating)	Altitude	4000m (>3000m derating)
Weight	32.5kg	Dimension (W x H x D)	380mm x 483mm x 227mm
Firmware of control board	0.0.0	Firmware of LCD	1.0.0
PV input			
Vmax	1100V d.c.	Isc	40A d.c.*3
MPP voltage range	200V d.c. - 1000V d.c.	Number of MPPT tracking	3
Back-feed current	0A	Max input current	30A d.c.*3
AC output			
Rated Output Voltage	400/230V a.c. 3P+N+PE	Rated Output Frequency	50Hz/60Hz
Rated output power	30kW	Max. apparent power	33kVA
Max output current	47.8A a.c.	Power factor cosφ	[-0.8, 0.8]



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Model type	KSG-30KT-M2		
General information			
Type of inverter	No-Isolated	Separated by	Transformerless
Safety Class	Class I	IP grade	IP66
Over-voltage Category	PV Input: II AC Output: III	Pollution degree	External: 3 Internal: 2
Operating temperature	-25°C to 60°C (>45°C derating)	Altitude	4000m (>3000m derating)
Weight	32.5kg	Dimension (W x H x D)	380mm x 483mm x 227mm
Firmware of control board	0.0.0	Firmware of LCD	1.0.0
PV input			
Vmax	1100V d.c.	Isc	60A/60A/30A
MPP voltage range	200V d.c. - 1000V d.c.	Number of MPPT tracking	3
Back-feed current	0A	Max input current	36A/36A/18A
AC output			



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Rated Output Voltage	400/230V a.c. 3P+N+PE	Rated Output Frequency	50Hz/60Hz
Rated output power.....	30kW	Max. apparent power	33kVA
Max output current	47.8A a.c.	Power factor $\cos\phi$	[-0.8, 0.8]

Model type	KSG-30KT-M3		
General information			
Type of inverter	No-Isolated	Separated by	Transformerless
Safety Class	Class I	IP grade	IP66
Over-voltage Category	PV Input: II AC Output: III	Pollution degree.....	External: 3 Internal: 2
Operating temperature.....	-25°C to 60°C (>45°C derating)	Altitude	4000m (>3000m derating)
Weight	32.5kg	Dimension (W x H x D)	380mm x 483mm x 227mm
Firmware of control board	0.0.0	Firmware of LCD	1.0.0
PV input			
Vmax	1100V d.c.	Isc	60A/60A/30A
MPP voltage range	200V d.c. - 1000V d.c.	Number of MPPT tracking	3



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Back-feed current.....:	0A	Max input current.....:	40A/40A/20A
AC output			
Rated Output Voltage	400/230V a.c. 3P+N+PE	Rated Output Frequency	50Hz/60Hz
Rated output power.....:	30kW	Max. apparent power	33kVA
Max output current	47.8A a.c.	Power factor cosφ.....:	[-0.8, 0.8]

Model type	KSG-30KT-M4		
General information			
Type of inverter	No-Isolated	Separated by	Transformerless
Safety Class	Class I	IP grade	IP66
Over-voltage Category.....:	PV Input: II AC Output: III	Pollution degree.....:	External: 3 Internal: 2
Operating temperature.....:	-25°C to 60°C (>45°C derating)	Altitude.....:	4000m (>3000m derating)
Weight.....:	32.5kg	Dimension (W x H x D).....:	380mm x 483mm x 227mm
Firmware of control board	0.0.0	Firmware of LCD	1.0.0
PV input			
Vmax.....:	1100V d.c.	Isc	60A d.c.*2



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MPP voltage range	200V d.c. - 1000V d.c.	Number of MPPT tracking	2
Back-feed current.....	0A	Max input current.....	40A d.c.*2
AC output			
Rated Output Voltage	400/230V a.c. 3P+N+PE	Rated Output Frequency	50Hz/60Hz
Rated output power.....	30kW	Max. apparent power	33kVA
Max output current	47.8A a.c.	Power factor cosφ.....	[-0.8, 0.8]

Model type	KSG-30KT-M5		
General information			
Type of inverter	No-Isolated	Separated by	Transformerless
Safety Class	Class I	IP grade	IP66
Over-voltage Category.....	PV Input: II AC Output: III	Pollution degree.....	External: 3 Internal: 2
Operating temperature.....	-25°C to 60°C (>45°C derating)	Altitude	4000m (>3000m derating)
Weight.....	32.5kg	Dimension (W x H x D)	380mm x 483mm x 247mm
Firmware of control board.....	0.0.0	Firmware of LCD	1.0.0
PV input			



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Vmax.....:	1100V d.c.	Isc.....:	60A/60A/40A
MPP voltage range.....:	200V d.c. - 1000V d.c.	Number of MPPT tracking.....:	3
Back-feed current.....:	0A	Max input current.....:	39A/39A/26A
AC output			
Rated Output Voltage.....:	400/230V a.c. 3P+N+PE	Rated Output Frequency.....:	50Hz/60Hz
Rated output power.....:	30kW	Max. apparent power.....:	33kVA
Max output current.....:	47.8A a.c.	Power factor cosφ.....:	[-0.8, 0.8]

Model type.....:	KSG-25KT-M0		
General information			
Type of inverter.....:	No-Isolated	Separated by.....:	Transformerless
Safety Class.....:	Class I	IP grade.....:	IP66
Over-voltage Category.....:	PV Input: II AC Output: III	Pollution degree.....:	External: 3 Internal: 2
Operating temperature.....:	-25°C to 60°C (>45°C derating)	Altitude.....:	4000m (>3000m derating)
Weight.....:	32.5kg	Dimension (W x H x D).....:	380mm x 483mm x 227mm
Firmware of control board.....:	0.0.0	Firmware of LCD.....:	1.0.0



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PV input			
Vmax	1100V d.c.	Isc	40A d.c.*3
MPP voltage range	200V d.c. - 1000V d.c.	Number of MPPT tracking	3
Back-feed current.....	0A	Max input current.....	26A d.c.*3
AC output			
Rated Output Voltage	400/230V a.c. 3P+N+PE	Rated Output Frequency	50Hz/60Hz
Rated output power.....	25kW	Max. apparent power	27.5kVA
Max output current	39.9A a.c.	Power factor cosφ.....	[-0.8, 0.8]

Model type	KSG-25KT-M1		
General information			
Type of inverter	No-Isolated	Separated by	Transformerless
Safety Class	Class I	IP grade	IP66
Over-voltage Category	PV Input: II AC Output: III	Pollution degree.....	External: 3 Internal: 2
Operating temperature.....	-25°C to 60°C (>45°C derating)	Altitude	4000m (>3000m derating)
Weight	32.5kg	Dimension (W x H x D)	380mm x 483mm x 227mm



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Firmware of control board	0.0.0	Firmware of LCD	1.0.0
PV input			
Vmax	1100V d.c.	Isc	40A d.c.*3
MPP voltage range	200V d.c. - 1000V d.c.	Number of MPPT tracking	3
Back-feed current.....	0A	Max input current.....	30A d.c.*3
AC output			
Rated Output Voltage	400/230V a.c. 3P+N+PE	Rated Output Frequency	50Hz/60Hz
Rated output power.....	25kW	Max. apparent power	27.5kVA
Max output current.....	39.9A a.c.	Power factor cosφ.....	[-0.8, 0.8]

Model type	KSG-25KT-M2		
General information			
Type of inverter	No-Isolated	Separated by	Transformerless
Safety Class	Class I	IP grade	IP66
Over-voltage Category.....	PV Input: II AC Output: III	Pollution degree.....	External: 3 Internal: 2
Operating temperature.....	-25°C to 60°C (>45°C derating)	Altitude.....	4000m (>3000m derating)



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Weight.....:	32.5kg	Dimension (W x H x D).....:	380mm x 483mm x 227mm
Firmware of control board.....:	0.0.0	Firmware of LCD.....:	1.0.0
PV input			
Vmax.....:	1100V d.c.	Isc.....:	60A d.c.*2
MPP voltage range.....:	200V d.c. - 1000V d.c.	Number of MPPT tracking.....:	2
Back-feed current.....:	0A	Max input current.....:	36A d.c.*2
AC output			
Rated Output Voltage.....:	400/230V a.c. 3P+N+PE	Rated Output Frequency.....:	50Hz/60Hz
Rated output power.....:	25kW	Max. apparent power.....:	27.5kVA
Max output current.....:	39.9A a.c.	Power factor cosφ.....:	[-0.8, 0.8]

Model type.....:	KSG-25KT-M3		
General information			
Type of inverter.....:	No-Isolated	Separated by.....:	Transformerless
Safety Class.....:	Class I	IP grade.....:	IP66
Over-voltage Category.....:	PV Input: II AC Output: III	Pollution degree.....:	External: 3 Internal: 2
Operating temperature.....:	-25°C to 60°C	Altitude.....:	4000m



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	(>45°C derating)		(>3000m derating)
Weight.....:	32.5kg	Dimension (W x H x D).....:	380mm x 483mm x 227mm
Firmware of control board.....:	0.0.0	Firmware of LCD	1.0.0
PV input			
Vmax.....:	1100V d.c.	Isc	60A d.c.*2
MPP voltage range	200V d.c. - 1000V d.c.	Number of MPPT tracking	2
Back-feed current.....:	0A	Max input current.....:	40A d.c.*2
AC output			
Rated Output Voltage	400/230V a.c. 3P+N+PE	Rated Output Frequency	50Hz/60Hz
Rated output power.....:	25kW	Max. apparent power	27.5kVA
Max output current.....:	39.9A a.c.	Power factor cosφ.....:	[-0.8, 0.8]

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 4 of test report.

