

SOFAR 15K~24KTLC-G3

15 / 17 / 20 / 22 / 24 kW

THREE-PHASE DUAL MPPT



Product advantages

- Maximum efficiency 98.6%
- Low start-up voltage, wide MPPT voltage
- Maximum DC input voltage 1100 V
- Smart string level monitoring
- Type II SPD for both DC and AC side
- Remote firmware upgrade
- 110% long-time overload ability



Datasheet	SOFAR 15KTLC-G3		SOFAR 17KTLC-G3		SOFAR 20KTLC-G3		SOFAR 22KTLC-G3		SOFAR 24KTLC-G3	
Input (DC)										
Max. input voltage						1100V				
Rated input voltage						650V				
Start-up voltage						160V				
MPPT operating voltage range						140V~1000V				
Number of MPP trackers						2				
Number of DC inputs						2/2				
Max. input MPPT current	26A/26A		26A/26A		26A/26A		26A/26A		26A/26A	
Max. input short circuit current	36A/36A		36A/36A		36A/36A		36A/36A		36A/36A	
Output (AC)										
Rated output power	15000W		17000W		20000W		22000W		24000W	
Max. apparent power	16500V A		18700V A		22000VA		24200VA		26400VA	
Max. output current	23.9A		27.1A		31.9A		35.1A		38.3A	
Rated output voltage						3/N/PE, 230V/400Vac				
Output voltage range						310V ac-480Vac				
Rated output frequency						50/60Hz				
Output frequency range						45Hz-55Hz/55Hz-65Hz				
Active power adjustable range						0~100%				
THDi						<3%				
Power factor						1 (adjustable +/-0.8)				
Efficiency										
Max. efficiency	98.6%		98.6%		98.6%		98.6%		98.6%	
European efficiency	98.2%		98.2%		98.2%		98.2%		98.2%	
Protection										
DC reverse polarity protection						Yes				
Anti-islanding protection						Yes				
Leakage current protection						Yes				
Ground fault monitoring						Yes				
PV-array string fault monitoring						Yes				
DC switch						Yes				
SPD						PV: type II, AC: type II				
General Data										
Ambient temperature range						-30 C ~+60C				
Self-consumption at night						<1W				
Topology						Transformerless				
Degree of protection						IP65				
Allowable relative humidity range						0~100%				
Max. operating altitude						4000m				
Cooling						Smart air cooling				
Dimension (W×H×D)						520×430×189mm				
Weight	20kg		22kg		22kg		23kg		23kg	
Display						LCD & Bluetooth +APP				
Communication						RS485/WiFi				
Standard						IEC/EN 61000-6-1/3, IEC/EN 61000-3-11/12, IEC 62116, IEC 61727, IEC 61683, IEC 60068-1/2/14/30, IEC/EN 62109-1/2 G99, VDE-AR-N 4105, VDE V 0126-1-1,CEI0-21, EN 50549-1, NRS 097-2-1				

*All specifications are subject to change without notice.



CERTIFICATE OF PRODUCT CERTIFICATION

SOLAR PRODUCT CERTIFICATE

CERTIFICATE NO.: CQC22024352902

Valid from: Aug.01,2022

Valid until:long-term

NAME AND REGISTERED ADDRESS OF THE APPLICANT	Shenzhen SOFARSOLAR Co., Ltd. 11/F., Gaoxinqi Technology Building, No.67 Area, Xingdong Community, Xin' an Sub-district, Bao' an District, Shenzhen City,China
NAME AND REGISTERED ADDRESS OF THE MANUFACTURER	Shenzhen SOFARSOLAR Co., Ltd. 11/F., Gaoxinqi Technology Building, No.67 Area, Xingdong Community, Xin' an Sub-district, Bao' an District, Shenzhen City,China
NAME AND LOCATION OF THE FACTORY	Dongguan SOFAR SOLAR Co., Ltd. 1F - 6F, Building E, No. 1 JinQi Road, Bihu Industrial Park, Wulian Village, Fenggang Town, Dongguan City.
PRODUCT NAME, MODEL AND SPECIFICATION	Solar Grid-tied Inverter See Appendix
THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS	NB/T32004-2018
TYPE OF CERTIFICATION SCHEMES	Type Testing of Product + Initial Factory Inspection + Follow up Factory Inspection

This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC33-461239-2018.
The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body.

The certificate information is available through the QR code below or CNCA's website: www.cnca.gov.cn



SIGNATURE:

谢肇煦



CHINA QUALITY CERTIFICATION CENTRE



CERTIFICATE OF PRODUCT CERTIFICATION

SOLAR PRODUCT CERTIFICATE

APPENDIX

Page 1 of 1

CERTIFICATE NO.: CQC22024352902

PAPER:

SOFAR 15KTLC-G3

直流输入:MPPT 电压范围 140V-1000Vdc, 最大直流输入电压 1100Vdc, 最大输入电流 26A/13A; 交流输出:3/N/PE, 400V, 50Hz, 23.9A, 额定交流输出功率 15kW;

SOFAR 17KTLC-G3

直流输入:MPPT 电压范围 140V-1000Vdc, 最大直流输入电压 1100Vdc, 最大输入电流 26A/26A; 交流输出:3/N/PE, 400V, 50Hz, 27.1A, 额定交流输出功率 17kW;

SOFAR 20KTLC-G3

直流输入:MPPT 电压范围 140V-1000Vdc, 最大直流输入电压 1100Vdc, 最大输入电流 26A/26A; 交流输出:3/N/PE, 400V, 50Hz, 31.9A, 额定交流输出功率 20kW;

SOFAR 22KTLC-G3

直流输入:MPPT 电压范围 140V-1000Vdc, 最大直流输入电压 1100Vdc, 最大输入电流 26A/26A; 交流输出:3/N/PE, 400V, 50Hz, 35.1A, 额定交流输出功率 22kW;

SOFAR 24KTLC-G3

直流输入:MPPT 电压范围 140V-1000Vdc, 最大直流输入电压 1100Vdc, 最大输入电流 26A/26A; 交流输出:3/N/PE, 400V, 50Hz, 38.3A, 额定交流输出功率 24kW.

NOTE: This appendix is valid when used with the certificate.



CHINA QUALITY CERTIFICATION CENTRE