

SOFAR 25K~50KTLC-G3

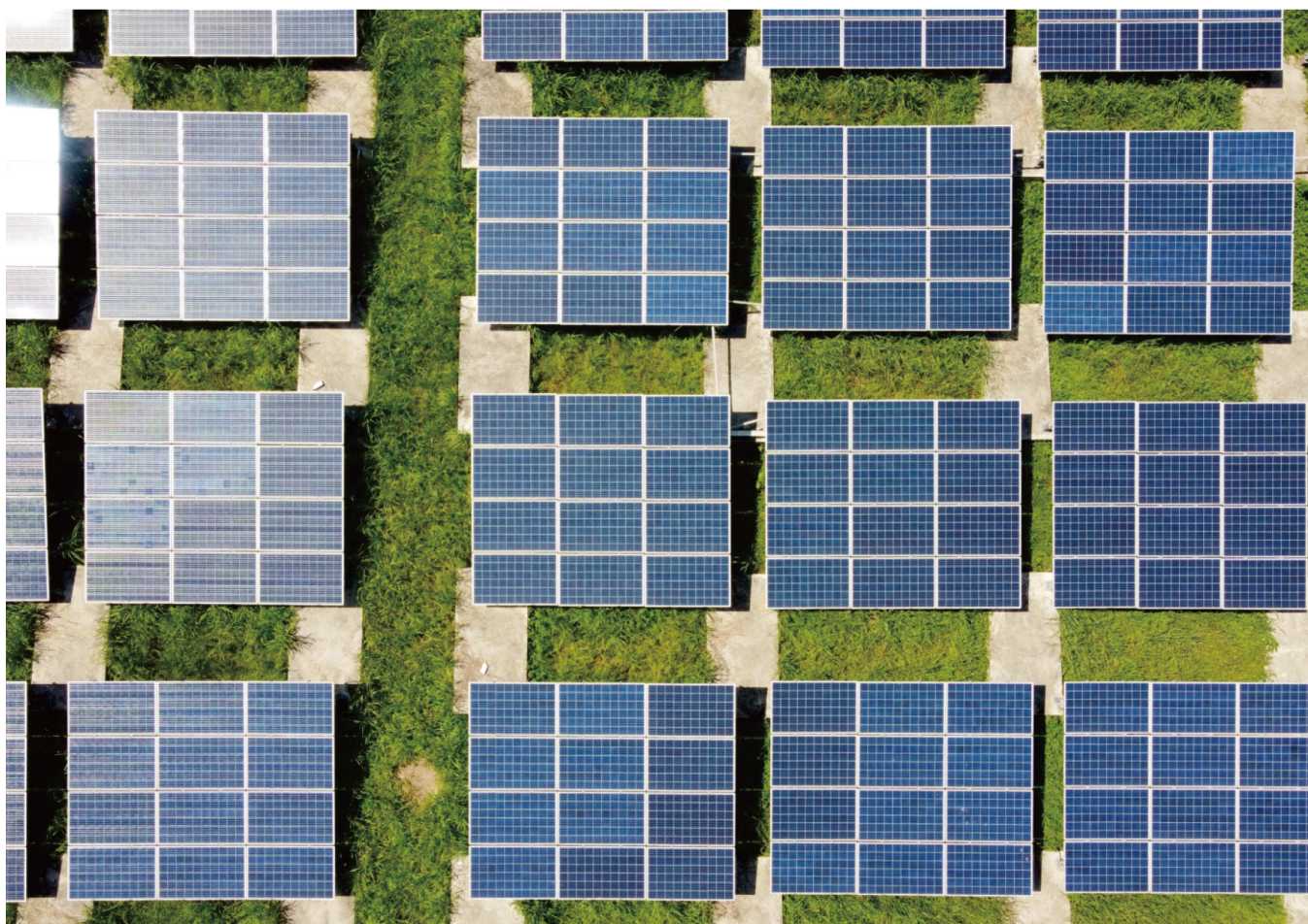
25 / 30 / 33 / 36 / 40 / 45 / 50 kW

THREE-PHASE THREE TO FOUR MPPTS



Product advantages

- Max. efficiency up to 98.80%
- Up to 4 MPPTs with DC overload capability (up to 150%)
- Type II SPD for both DC and AC side
- Prolonged AC overload capability (110%)
- Low start-up voltage, wide MPPT voltage range
- Compatible with 500 W+ modules
- I-V curve scanning function



Datasheet	SOFAR 25KTLC-G3	SOFAR 30KTLC-G3	SOFAR 33KTLC-G3	SOFAR 36KTLC-G3	SOFAR 40KTLC-G3	SOFAR 45KTLC-G3	SOFAR 50KTLC-G3
Input (DC)							
Max. input voltage	1100V						
Rated input voltage	620V						
Start-up voltage	200V						
MPPT operating voltage range	180V~1000V						
Number of MPPTs	3				4		
Number of DC inputs	2 for each MPPT						
Max. input MPPT current	3*40A	3*40A	3*40A	3*40A	4*40A	4*40A	4*40A
Max. input short circuit current	3*50A	3*50A	3*50A	3*50A	4*50A	4*50A	4*50A
Output (AC)							
Rated output power	25000W	30000W	33000W	36000W	40000W	45000W	50000W
Max. apparent power	28000VA	34000VA	37000VA	40000VA	44000VA	50000VA	55000VA
Max. output current	42.4A	51.5A	56A	60.6A	66.7A	75.8A	83.3A
Rated output voltage	3/N/PE, 230/400Vac						
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%	98.8%	98.8%	98.8%
European efficiency	98.2%	98.2%	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℃ ~+60℃						
Self-consumption at night	<3W						
Topology	Transformerless						
Degree of protection	IP65						
Allowable relative humidity range	0~100%						
Max. operating altitude	4000m						
Cooling	Smart air cooling						
Dimension (W×H×D)	585×480×220mm						
Weight	36kg				37kg		
Display	LCD & Bluetooth +APP						
Communication	RS485/WiFi						
Standard	IEC/EN 61000-6-1/2/3/4, 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, UNE 217002-2020						

*All specifications are subject to change without notice.

Declaration of Conformity

We, **Shenzhen SOFARSOLAR Co., Ltd.**, confirm that :

The below products

SOFAR 30KTLC-G3

Manufactured by

Shenzhen SOFARSOLAR Co., LTD

11/F., Gaoxinqi Technology Building, No.67 Area, Xingdong Community,

Xin' an Sub-district, Bao' an District, Shenzhen City,

China

are in conformity with the following EU legislations:

- **Electro Magnetic Compatibility 2014/30/UE (EMC)**
- **Radio Equipment Directive 2014/53/EU (RED)**

Test Standards: EN IEC 61000-6-2:2019, EN IEC 61000-6-4:2019
EN 301 489-1 V2.2.3, EN 301 489-17 V3.2.4
EN 300 328 V2.2.2, EN 62479:2010

This declaration of conformity is issued under the sole responsibility of the manufacturer. Shenzhen, 2023-03-31



Date: 2023-03-31
Shenzhen SOFARSOLAR Co.Ltd.
11/F., Gaoxinqi Technology Building, Xingdong Community,
Email: info@sofarsolar.com
Xin'an Sub-district, Bao'an District, Shenzhen City, China
Web: www.sofarsolar.com



Declaration of Conformity

We, **Shenzhen SOFARSOLAR Co., Ltd.**, confirm that :

The below products

SOFAR 50KTLC-G3

Manufactured by

Shenzhen SOFARSOLAR Co., LTD

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