

## SOFAR 5K~10KTLX-G3

5/8.8/10kW

SOFAR

THREE-PHASE DUAL-MPPTS

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### Product advantages

- Maximum efficiency 98.6%
- Low start-up voltage, wide MPPT voltage
- Maximum DC input voltage 1100 V
- Smart string level monitoring
- Remote firmware upgrade
- Natural cooling, no fans, low noise
- Type II SPD for both DC and AC side



## Datasheet

SOFAR  
3.3KTLX-G3

SOFAR  
4.4KTLX-G3

SOFAR  
5.5KTLX-G3

SOFAR  
6.6KTLX-G3

SOFAR  
8.8KTLX-G3

SOFAR  
11KTLX-G3

SOFAR  
10KTLX-G3-A

SOFAR  
12KTLX-G3

### Input (DC)

Recommended max. PV input power (Wp)	4500	6000	7500	9000	12000	15000	18000
Max. DC power for single MPPT (W)	4500	6000		7500		7500/15000	
Number of MPP trackers	2						
Number of DC inputs	1/1					1/2	
Max. input voltage (V)	1100						
Start-up voltage (V)	160						
Rated input voltage (V)	650						
MPPT operating voltage range (V)	140-1000						
Full power MPPT voltage range (V)	160-850	190-850	240-850	290-850	380-850	420-850	460-850
Max. input MPPT current (A)	15 / 15					15 / 15	15 / 30
Max. input short circuit current per MPPT (A)	22.5 / 22.5					22.5 / 22.5	22.5 / 45

### Output (AC)

Rated power (W)	3000	4000	5000	6000	8000	10000	10000	12000
Max. AC power (VA)	3300	4400	5500	6600	8800	11000	10000	13200
Max. output current (A)	5	6.7	7.6	10	13.3	16.7	15.2	20
Rated grid voltage	3 / N / PE, 230 / 400 Vac							
Grid voltage range	310 - 480 Vac (according to local standard)							
Rated grid frequency	50 Hz / 60 Hz							
Grid frequency range	45 Hz-55 Hz / 55 Hz-65 Hz (according to local standard)							
Active power adjustable range	0-100%							
THDi	< 3%							
Power factor	1 default (adjustable +/-0.8)							

### Efficiency

Max. efficiency	98.4%	98.5%
European efficiency	97.5%	98.0%

### 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/Bluetooth, Optional: WiFi/Ethernet
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### General Data

Ambient temperature range	-30°C ~ +60°C	
Self-consumption at night (W)	< 1	
Topology	Transformerless	
Degree of protection	IP65	
Allowable relative humidity range	0-100%	
Max. operating altitude	4000 m	
Weight (kg)	17	18
Cooling	Natural	
Dimension (mm)	430*385*182	
Display	LCD, App via Bluetooth	

### Standard

EMC	EN 61000-6-1, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3, EN 61000-3-11, EN 61000-3-12
Safety standards	IEC 62109-1 / 2, IEC62116, IEC 61727, IEC61683, IEC 60068 (1, 2, 14, 30)
Grid standards	VDE V 0124-100, V 0126-1-1, VDE-AR-N 4105, CEI 0-21 / CEI 0-16, UNE 206 007-1, EN 50549, C98 / G99, EN 50530

\* All specifications are subject to change without notice.