



# SOFAR 3.3K~12KTLX-G3

3300/4400/5000/5500/6600/8800/10000/11000/12000

## Three-Phase

## Dual-MPPT



Remote firmware upgrade

**98.6%**

Maximum efficiency 98.6%



Smart string level monitoring

**SPD**

Type II SPD for both DC and AC

**1100v**

Maximum DC input voltage | 1100V



Natural cooling, no fans, low noise



Low start-up voltage, wide MPPT voltage

Datasheet	SOFAR 3.3KTLX-G3	SOFAR 4.4KTLX-G3	SOFAR * 5KTLX-G3 (Australia)	SOFAR 5.5KTLX-G3	SOFAR 6.6KTLX-G3	SOFAR 8.8KTLX-G3	SOFAR * 10KTLX-G3 (Australia)	SOFAR 11KTLX-G3	SOFAR 12KTLX-G3
<b>Input (DC)</b>									
Recommended Max. PV input power	4500Wp	6000Wp	7500Wp	7500Wp	9000Wp	12000Wp	15000Wp	15000Wp	18000Wp
Number of MPP trackers	2								
Number of DC inputs	1/1	1/1	1/1	1/1	1/1	1/1	2/1	1/1	2/1
Max. input voltage	1100V								
Start-up voltage	160V								
Rated input voltage	650V								
MPPT operating voltage range	140V-1000V								
Full power MPPT voltage range	160V-850V	190V-850V	240V-850V	240V-850V	290V-850V	380V-850V	420V-850V	420V-850V	420V-850V
Max. input MPPT current	13A/13A	13A/13A	13A/13A	13A/13A	13A/13A	13A/13A	26A/13A	13A/13A	26A/13A
Max. input short circuit current per MPPT	18A/18A	18A/18A	18A/18A	18A/18A	18A/18A	18A/18A	36A/18A	18A/18A	36A/18A
<b>Output (AC)</b>									
Rated power	3000W	4000W	5000W	5000W	6000W	8000W	10000W	10000W	12000W
Max. AC power	3300VA	4400VA	5000VA	5500VA	6600VA	8800VA	11000VA	11000VA	13200VA
Max. Output current	4.8A	6.4A	7.3A	8.0A	9.6A	12.8A	15.9A	15.9A	19.1A
Nominal grid voltage	3/N/PE, 220V/380Vac, 230V/400Vac								
Grid voltage range	310Vac-480Vac (According to local standard)								
Nominal frequency	50 / 60Hz								
Grid frequency range	45Hz-55Hz/54Hz-66Hz (According to local standard)								
Active power adjustable range	0~100%								
THDi	< 3%								
Power factor	1 default (adjustable +/-0.8)								
<b>Performance</b>									
Max efficiency	98.40%	98.40%	98.40%	98.40%	98.40%	98.50%	98.50%	98.50%	98.50%
European weighted efficiency	97.50%	97.50%	97.50%	97.50%	97.50%	98.00%	98.00%	98.00%	98.00%
Self-consumption at night	< 1W								
MPPT efficiency	> 99.9%								
<b>Protection</b>									
DC reverse polarity protection	Yes								
Anti-islanding protection	Yes								
Leakage current protection	Yes								
Ground fault monitoring	Yes								
PV-array string fault monitoring	Yes								
Anti reverse power function	Optional								
DC switch	Yes								
AFCI protection	Optional								
Input / output SPD	PV: type II standard, AC: type II standard								
<b>Communication</b>									
Power management unit	According to certification and request								
Standard communication mode	RS485/ USB/ Bluetooth, Optional: WiFi / GPRS								
Operation data storage	25 years								
<b>General Data</b>									
Ambient temperature range	-30°C~ +60°C								
Topology	Transformerless								
Degree of protection	IP65								
Allowable relative humidity range	0~100%								
Max. Operating altitude	4000m								
Noise	<40dB								
Weight	15kg	15kg	15kg	15kg	15kg	17kg	17kg	17kg	17kg
Cooling	Natural								
Dimension	430*375*179mm								
Display	LCD&Bluetooth + APP								
Warranty	5 years/ 7 years/ 10 years								
<b>Standard</b>									
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4								
Safety standards	IEC62109-1/2, IEC62116, IEC61727, IEC61683, IEC60068(1,2,14,30)								
Grid standards	AS/NZS 4777, VDE V 0124-100, V 0126-1-1, VDE-AR-N 4105, CEI 0-21/CEI 0-16, UNE 206 007-1, EN50549, G98/G99, EN50530, NB/T32004								

The models marked with "\*" should be available only for some designated countries.

SOFAR 3.3K/4.4K/5K/5.5K/6.6K/8.8K/10K/11K/12KTLX-G3\_EN\_202011\_V1