



# SOFAR 3.3K~12KTLX-G3

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

## Three-Phase

## Dual-MPPT



Remote operation



Intelligent string level monitoring



Maximum DC input voltage | 1100V



Low start-up voltage, wide MPPT voltage



Maximum efficiency 98.6%



Type II SPD for both DC and AC



Natural cooling, no fans, low noise

# Datasheet

SOFAR 3.3KTLX-G3    SOFAR 4.4KTLX-G3    SOFAR 5KTLX-G3-A    SOFAR 5.5KTLX-G3    SOFAR 6.6KTLX-G3    SOFAR 8.8KTLX-G3-A    SOFAR 8.8KTLX-G3    SOFAR 10KTLX-G3-A    SOFAR 11KTLX-G3-A    SOFAR 11KTLX-G3    SOFAR 12KTLX-G3

## Input (DC)

Recommended Max. PV input power	4500Wp	6000Wp	7500Wp	7500Wp	9000Wp	12000Wp	12000Wp	15000Wp	15000Wp	15000Wp	18000Wp	
Number of MPP trackers						2						
Number of DC inputs	1/1				1/2		1/1		1/2		1/1	1/2
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		290V-850V	380V-850V		420V-850V		460V-850V		
Max. input MPPT current	15A/15A				15A/30A		15A/15A	15A/30A		15A/15A	15A/30A	
Max. input short circuit current per MPPT	22.5A/22.5A				22.5A/45A		22.5A/22.5A	22.5A/45A		22.5A/22.5A	22.5A/45A	

## Output (AC)

Rated power	3000W	4000W	5000W		6000W	8000W		10000W		12000W	
Max. AC power	3300VA	4400VA	5000VA	5500VA	6600VA	8800VA		10000VA	11000VA	13200VA	
Max. Output current	5A	6.7A	7.6A	8.3A	10A	13.3A		15.2A	16.7A	20A	
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)										

## Performance

Max efficiency	98.40%				98.50%			
European efficiency	97.50%				98.00%			

## Protection

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	Yes										
DC switch	Yes										
AFCl protection	Optional										
Input / output SPD	PV: type II standard, AC: type II standard										

## Communication

Standard communication mode	RS485/ USB/ Bluetooth, Optional: WiFi / GPRS /4G										
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## General Data

Ambient temperature range	-30°C ~ +60°C										
Self-consumption at night	<1W										
Topology	Transformerless										
Degree of protection	IP65										
Allowable relative humidity range	0~100%										
Max. Operating altitude	4000m										
Noise	≤40dB										
Weight	17kg					18kg					
Cooling	Natural										
Dimension	430*385*182mm										
Display	LCD&Bluetooth +APP										
Standard warranty	5 years, Optional: 7 years/ 10 years										

## Standard

EMC	EN61000-3-2, EN61000-3-3, EN61000-3-11, EN61000-3-12, EN61000-6-1, EN61000-6-3										
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										