

SOFAR 3.3K~12KTLX-G3

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



Three-Phase Dual-MPPT



Remote operation

98.6%

Maximum efficiency 98.6%



Intelligent string level monitoring



Type II SPD for both DC and AC



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-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		
Max. input voltage						1100V					
Start-up voltage						180V					
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	
Max. input short circuit current per MPPT			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		6600VA	8800VA		10000VA		13200VA	
Max. Output current	5A	6.7A	7.6A		8.3A	10A		13.3A		15.2A	
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	49Hz-51Hz/54Hz-64Hz (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						
AFCI 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, EN61000-4-1, EN61000-6-3										
Safety standards	IEC62109-1/2, IEC62116, IEC61727, IEC61683, IEC60068(1,2,14,30)										
Grid standards	AS/NZS 4777, VDE V 0124-1:00, V 0126-1-1, VDE-AR-N 4105, CEI 0-21/CEI 0-16, UNE 206 007-1, EN50549, G98/G99, EN50530, NB/T 32004										