

SOFAR 3.3K~12KTLX-G3
3.3 / 4.4 / 5.5 / 6.6 / 8.8 / 11 / 10 / 12 kW

THREE-PHASE DUAL MPPT



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



Model	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)								
Max. input voltage					1100V			
Rated input voltage					650V			
Start-up voltage					160V			
MPPT operating voltage range					140V-1000V			
Number of MPP trackers					2			
Number of DC inputs					1/1			1/2
Max. input MPPT current					15A/15A			15A/30A
Max. input short circuit current					22.5A/22.5A			22.5A/45A
Output (AC)								
Rated output power	3000W	4000W	5000W	6000W	8000W	10000W	10000W	12000W
Max. apparent power	3300VA	4400VA	5500VA	6600VA	8800VA	11000VA	10000VA	13200VA
Max. output current	5A	6.7A	8.3A	10A	13.3A	16.7A	15.2A	20A
Rated output voltage	3/N/PE, 230/400Vac							
Output voltage range	310Vac~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	98.40%	98.40%	98.40%	98.40%	98.50%	98.50%	98.50%	98.50%
European efficiency	97.50%	97.50%	97.50%	97.50%	98.00%	98.00%	98.00%	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			
DC switch					Yes			
SPD					PV: type II, AC: type II			
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			
Cooling					Natural			
Dimension (W*H*D)					430*385*182mm			
Weight	17kg						18kg	
Display					LCD & Bluetooth +APP			
Communication					RS485/WiFi			
Standard	IEC/EN 61000-4-1/3, IEC/EN 61000-3-2/3, IEC/EN 61000-3-11/12, IEC 62116, IEC 61727, IEC 61683, IEC 60068-1/2/14/30, IEC/EN 62109-1/2, C98/C99, CEI0-21, VDE-AR-N 4105, VDE V 0126-1-1, EN 50549-1, UNE 217002-2020							

*All specifications are subject to change without notice.