

SOFAR 15K~24KTLX-G3

15 / 17 / 20 / 22 / 24 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
- Type II SPD for both DC and AC side
- Remote firmware upgrade
- 110% long-time overload ability



Model	SOFAR 15KTLX-G3	SOFAR 17KTLX-G3	SOFAR 20KTLX-G3	SOFAR 22KTLX-G3	SOFAR 24KTLX-G3
Input (DC)					
Max. input voltage			1100V		
Rated input voltage			850V		
Start-up voltage			185V		
MPPT operating voltage range			140V~1000V		
Number of MPPT trackers			2		
Number of DC inputs			2/2		
Max. input MPPT current	26A/26A	26A/26A	26A/26A	26A/26A	26A/26A
Max. input short circuit current	36A/36A	36A/36A	36A/36A	36A/36A	36A/36A
Output (AC)					
Rated output power	15000W	17000W	20000W	22000W	24000W
Max. apparent power	18500VA	18700VA	22000VA	24200VA	26400VA
Max. output current	23.9A	27.1A	31.8A	35.1A	38.3A
Rated output voltage			3/N/PE, 230V/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	98.6%	98.6%	98.6%	98.6%	98.6%
Europe efficiency	98.2%	98.2%	98.2%	98.2%	98.2%
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~80°C		
Self-consumption at night			<1W		
Topology			Transformerless		
Degree of protection			IP65		
Allowable relative humidity range			0~100%		
Max. operating altitude			4000m		
Cooling			Smart air-cooling		
Dimension (W*H*D)			520*430*185mm		
Weight	20kg	22kg	22kg	23kg	23kg
Display			LCD & Bluetooth + APP		
Communication			RS485/WiFi		
Standard	IEC/EN 61000-6-1/3, IEC/EN 61000-3-11/12, IEC 62116, IEC 61727, IEC 61683, IEC 60088-1/2/1A/3D, IEC/EN 62109-1/2, GB9, VDE-AR-N 4105, VDE V 0126-1-1, CEI0-21, EN 50549-1, NRS 097-2-1				

*All specifications are subject to change without notice.