



SOFAR

15K~24KTLX-G3

15 / 17 / 20 / 22 / 24 kW

THREE-PHASE

- Maximum efficiency 98.6%
- Maximum DC input voltage 1100 V
- Type II SPD for both DC and AC side
- 110% long-time overload ability

DUAL-MPPT

- Low start-up voltage, wide MPPT voltage
- Smart string level monitoring
- Remote firmware upgrade

Datasheet	SOFAR 15KTLX-G3	SOFAR 17KTLX-G3	SOFAR 20KTLX-G3	SOFAR 22KTLX-G3	SOFAR 24KTLX-G3
Input (DC)					
Recommended max. PV input power (Wp)	22500	25500	30000	33000	36000
Max. DC power for single MPPT (W)	15000	15000	15000	16500	18000
Number of MPP trackers	2				
Number of DC inputs	2 / 2				
Max. input voltage (V)	1100				
Start-up voltage (V)	160				
Rated input voltage (V)	650				
MPPT operating voltage range (V)	140-1000				
Full power MPPT voltage range (V)	420-850	450-850	480-850	510-850	540-850
Max. input MPPT current (A)	26 / 26				
Max. input short circuit current per MPPT (A)	36 / 36				
Output (AC)					
Rated power (W)	15000	17000	20000	22000	24000
Max. AC power (VA)	16500	18700	22000	24200	26400
Max. output current (A)	23.9	27.1	31.9	35.1	38.3
Rated grid voltage	3 / N / PE, 230 / 400 Vac				
Grid voltage range	310 - 480 Vac (according to local standard)				
Rated grid frequency	50 Hz / 60 Hz				
Grid frequency range	45 Hz-55 Hz / 55 Hz-65 Hz (according to local standard)				
Active power adjustable range	0~100%				
THDi	< 3%				
Power factor	1 default (adjustable +/-0.8)				
Performance					
Max. efficiency	98.60%				
European efficiency	98.20%				
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	Optional				
DC switch	Optional				
Input / output SPD	PV: type II standard, AC: type II standard				
Communication					
Standard Communication mode	RS485/Bluetooth Optional: WiFi/Ethernet				
General Data					
Ambient temperature range	-30°C~+60°C				
Self-consumption at night (W)	< 1				
Topology	Transformerless				
Degree of protection	IP65				
Allowable relative humidity range	0~100%				
Max. operating altitude	4000 m				
Noise	< 40 dB				
Weight (kg)	20	22			23
Cooling	Fan				
Dimension (mm)	520*430*189				
Display	LCD, App via Bluetooth				
Standard					
EMC	EN 61000-6-1, EN 61000-6-3, EN 61000-3-11, EN 61000-3-12				
Safety standards	IEC 62109-1 / 2, IEC62116, IEC 61727, IEC61683, IEC 60068 (1, 2, 14, 30)				
Grid standards	VDE V 0124-100, V 0126-1-1, VDE-AR-N 4105, CEI 0-21 / CEI 0-16, UNE 206 007-1, EN 50549, G98 / G99, EN 50530,				

* All specifications are subject to change without notice.

SOFAR 15K / 17K / 20K / 22K / 24KTLX-G3_EN_202209