

SOFAR 15K~24KTLX-G3

15000/17000/20000/22000/24000



Three-Phase

Dual-MPPT



Remote firmware upgrade

98.75%

Maximum efficiency 98.75%



Smart string level monitoring

SPD

Type II SPD for both DC and AC

1100V

Maximum DC input voltage 1100V

110%

110% long-time overload ability



Low start-up voltage, wide MPPT voltage

Datasheet	SOFAR 15KTLX-G3	SOFAR 17KTLX-G3	SOFAR 20KTLX-G3	SOFAR 22KTLX-G3	SOFAR 24KTLX-G3
Input (DC)					
Recommended Max. PV input power	22500Wp	25500Wp	30000Wp	33000Wp	36000Wp
Number of MPPT trackers			2		
Number of DC inputs			2/2		
Max. input voltage			1100V		
Start-up voltage			160V		
Rated input voltage			650V		
MPPT operating voltage range			140V-1000V		
Full power MPPT voltage range	420V-850V	450V-850V	480V-850V	510V-850V	540V-850V
Max. input MPPT current	26A/26A	26A/26A	26A/26A	26A/26A	26A/26A
Max. input short circuit current per MPPT	36A/36A	36A/36A	36A/36A	36A/36A	36A/36A
Output (AC)					
Rated power	15000W	17000W	20000W	22000W	24000W
Max. AC power	16500VA	18700VA	22000VA	24200VA	26400VA
Max. Output current	23.9A	27.1A	31.9A	35.1A	38.3A
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			98.60%		
European weighted efficiency			98.20%		
Self-consumption at night			<1W		
MPPT efficiency			>99.9%		
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			Yes		
AFCI protection			Optional		
Input / output SPD			PV: type II standard, AC: type II standard		
Communication					
Power management unit			According to certification and request		
Standard communication mode			RS485/ USB/ Bluetooth, Optional: WiFi / GPRS		
Operation data storage			25 years		
General Data					
Ambient temperature range			-30°C~+60°C		
Topology			Transformerless		
Degree of protection			IP65		
Allowable relative humidity range			0~100%		
Max. Operating altitude			4000m		
Noise			<40dB		
Weight	20kg	22kg	22kg	23kg	23kg
Cooling			Fan		
Dimension			520*430*189mm		
Display			LCD&Bluetooth + APP		
Warranty			5 years/ 7 years/ 10 years		
Standard					
EMC			EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4		
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		