

## 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



Mode	SOFAR 15KTLX-G3	SOFAR 17KTLX-G3	SOFAR 20KTLX-G3	SOFAR 22KTLX-G3	SOFAR 24KTLX-G3
<b>Input (DC)</b>					
Max. input voltage			1100V		
Rated input voltage			650V		
Startup voltage			180V		
MPPT operating voltage range			140V~1000V		
Number of MPPT trackers			2		
Number of DC inputs			2/2		
Max. input MPPT current	25A/26A	26A/26A	25A/26A	26A/26A	25A/26A
Max. input short circuit current	36A/36A	36A/36A	36A/36A	36A/36A	36A/36A
<b>Output (AC)</b>					
Rated output power	15000W	17000W	20000W	22000W	24000W
Max. apparent power	16500VA	18700VA	22000VA	24200VA	26400VA
Max. output current	23.9A	27.1A	31.9A	35.1A	38.3A
Rated output voltage	3/NPE 230/400Vac				
Output voltage range	310Vac~480Vac				
Rated output frequency	50/60Hz				
Output frequency range	45Hz~55Hz/50Hz~65Hz				
Active power adjustable range	0~100%				
THDi	<3%				
Power factor	1 (adjustable -0.8)				
<b>Efficiency</b>					
Max. efficiency	98.6%	98.6%	98.6%	98.6%	98.6%
European efficiency	98.2%	98.2%	98.2%	98.2%	98.2%
<b>Protection</b>					
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				
<b>General Data</b>					
Ambient temperature range	-50°C~60°C				
Self-consumption at night	<1W				
Topology	Transformerless				
Degree of protection	IP65				
Allowable relative humidity range	0~100%				
Max. operating altitude	4000m				
<b>Cooling</b>	Smart air cooling				
Dimension (W*H*D)	520*420*180mm				
Weight	20kg	22kg	22kg	23kg	23kg
Display	LCD & Bluetooth + APP				
Communication	RS485/WIFI				
<b>Standard</b>	IECEN 61000-6-1/2, IECEN 61000-5-1/1/2, IEC 62116, IEC 61727, IEC 61853, IEC 60885-1/2/4/20, IECEN 62103-1/2, GB 19579, VDE-AR-N 4105, VDE V 0126-1-1, CEPS-1EN 50945-1, IES 0972-1				

\*All specifications are subject to change without notice.