

SOFAR15K~30KTLX-G3-LV

15 / 20 / 25 / 30 kW

THREE-PHASE THREE TO FOUR MPPTS



Product advantages

- Multiple MPPTs compatible with 600W+modules
- Prolonged AC overload capability (110%)
- I-V curve scanning function
- Type II SPD for both DC and AC
- Low start-up voltage, wide MPPT voltage range
- Intelligent monitoring, remote operation



Model	SOFAR 15KTLX-G3-LV	SOFAR 20KTLX-G3-LV	SOFAR 25KTLX-G3-LV	SOFAR 30KTLX-G3-LV
Input (DC)				
Recommended Max. PV input power	22500Wp	30000Wp	37500Wp	45000Wp
Max. input voltage	1100V			
Rated input voltage	370V			
Start-up voltage	200V			
MPPT operating voltage range	180-800V			
Number of MPP trackers	3	4	4	4
Number of DC inputs	2 for each MPPT			
Max. input MPPT current	3*40A	4*40A	4*40A	4*40A
Max. input short circuit current	3*50A	4*50A	4*50A	4*50A
Output(AC)				
Rated output power (@40℃)	15000W	20000W	25000W	30000W
Max. output power (@40℃)	16500W	22000W	25000W	30000W
Max. apparent power	16500VA	22000VA	25000VA	30000VA
Max. output current	43.4A	57.7A	65.7A	78.8A
Rated output voltage	3 / N / PE, 127/220 Vac			
Output voltage range	176Vac~242Vac			
Rated output frequency	50/60Hz			
Output frequency range	45Hz-55Hz/55Hz-65Hz			
Active power adjustable range	0-100%			
THDi	<3%(@rated output power)			
Power factor	0.8 leading – 0.8 lagging			
Efficiency				
Max. efficiency	≥98%	≥98%	≥98.4%	≥98.4%
European efficiency	≥97.4%	≥97.5%	≥97.9%	≥98%
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			
AFCI	/			Yes
SPD	PV: type II, AC: type II			
General Data				
Ambient temperature range	-25℃~+60℃			
Self-consumption at night	<3W			
Topology	Transformerless			
Degree of protection	IP65			
Allowable relative humidity range	0-100%			
Max. operating altitude	4000m			
Cooling	Smart air cooling			
Dimension(W×H×D)	585×480×220mm			
Weight	36kg	37kg		
Display	LCD & Bluetooth +APP			
Communication	RS485/WiFi/USB			
Standard	IEC/EN 61000-6-2/3, IEC/EN 61000-3-11/12, IEC61000,IEC62116,IEC61727,IEC/EN 62109-1/2			

*All specifications are subject to change without notice.