

SOFAR 40~75KTLX-G4-LV

40 / 50 / 60 / 75 kW

THREE-PHASE SIX TO EIGHT MPPTS



Product advantages

- String current up to 20A, perfectly match 700W+ modules
- Maximum 8 MPPTs, support 200%+ DC/AC ratio
- AFCI function
- Type II SPD for both DC and AC side
- IP66 & C5 protection
- Lighter , easier to carry and install



Model	SOFAR 40KTLX-G4-LV	SOFAR 50KTLX-G4-LV	SOFAR 60KTLX-G4-LV	SOFAR 75KTLX-G4-LV
Input (DC)				
Recommended Max. PV input power	60000Wp	75000Wp	90000Wp	112500Wp
Max. input voltage	900V			
Rated input voltage	360V			
Start-up voltage	200V			
MPPT operating voltage range	180V-800V			
Number of MPPTs	6		8	
Number of DC inputs	2 for each MPPT			
Max. input MPPT current	40A			
Max. input short circuit current	50A			
Output(AC)				
Rated output power (@40℃)	40kW	50kW	60kW	75kW
Max. output power (@40℃)	44kW	55kW	66kW	75kW
Max. apparent power	44kVA	55kVA	66kVA	75kVA
Max. output current	115.5A	144.4A	173.3A	196.9A
Rated output voltage	3 / N / PE, 127/220 Vac			
Output voltage range	176-242Vac			
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	≥98.5%			
European efficiency	≥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	-30℃--+60℃			
Self-consumption at night	< 2W			
Topology	Transformerless			
Degree of protection	IP66			
Allowable relative humidity range	0-100%			
Max. operating altitude	4000m (> 3000mderating)			
Cooling	Smart air cooling			
Dimension(W×H×D)	970×695×325mm			
Weight	75kg			
Display	LCD & Bluetooth +APP			
Communication	RS485, USB, WIFI			
Standard	IEC/EN 61000-6-2/4, IEC 62116, IEC 61727, IEC/EN 62109-1/2 ABNT NBR 16149/16150			

*All specifications are subject to change without notice.