

SOFAR 25K~50KTLX-G3

25 / 30 / 33 / 36 / 40 / 45 / 50 kW

THREE-PHASE THREE TO FOUR MPPTS



Product advantages

- Max. efficiency up to 98.80%
- Up to 4 MPPTs with DC overload capability (up to 150%)
- Type II SPD for both DC and AC side
- Prolonged AC overload capability (110%)
- Low start-up voltage, wide MPPT voltage range
- Compatible with 500 W+ modules
- I-V curve scanning function



Model									
SOFAR 28KTLTG-G3		SOFAR 30KTLTG-G3		SOFAR 30KTLTG-G3		SOFAR 30KTLTG-G3		SOFAR 40KTLTG-G3	
Input (DC)									
Max. input voltage		1100V							
Rated input voltage		620V							
Start-up voltage		200V							
MPPT operating voltage range		180V~1000V							
Number of MPPT trackers		4							
Number of DC inputs		2 for each MPPT							
Max. input MPPT current		3*40A		3*40A		3*40A		4*40A	
Max. input short-circuit current		3*50A		3*50A		3*50A		4*50A	
Output (AC)									
Rated output power		25000W		30000W		33000W		36000W	
Max. apparent power		28000VA		34000VA		37000VA		40000VA	
Max. output current		42.4A		51.5A		56A		60.6A	
Rated output voltage		3/N/PE 230/400Vac							
Output voltage range		310Vac~400Vac							
Rated output frequency		50/60Hz							
Output frequency range		45Hz~55Hz/53Hz~58Hz							
Active power adjustable range		0~100%							
THDI		<3%							
Power factor		1 (adjustable -0.8)							
Efficiency									
Max. efficiency		98.6%		98.6%		98.6%		98.6%	
European efficiency		98.2%		98.2%		98.2%		98.2%	
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							
SPD		PV type II, AC type II							
General Data									
Ambient temperature range		-30°C~+60°C							
Self-consumption at night		<3W							
Topology		Transformerless							
Degree of protection		IP55							
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							
Standard		IECEN 61000-6-1/2/3/4/5/6/8/11/16/17/18/19/20, IECEN 62109-1/2, CEEN 62109-1/2, CEEN 62109-2, EN 50545-1, EN 50545-2, UNE 217002-2020							