

SOFAR

110K~125KTLX-G4

110 / 125 kW

Datasheet Draft

THREE-PHASE

- Max. efficiency up to 98.75%
- IP66 design for outdoor
- Type II SPD for both DC and AC side
- Supports Modbus Communication, external WiFi

TEN MPPTS

- Remote firmware upgrade
- I-V curve scanning function
- Maximum 10 MPP trackers with 150%+ DC overload
- AC / DC dual power supply redundant design, 24-hour status monitoring

Datasheet	SOFAR 110KTLX-G4	SOFAR 125KTLX-G4
Input (DC)		
Max. input voltage (V)	1100	
Rated input voltage(V)	625	
Start-up voltage (V)	200	
MPPT operating voltage range (V)	180-1000	
Full power MPPT voltage range (V)	500-850	
Number of MPP trackers	10	
Number for DC inputs	20	
Max. input current per MPPT (A)	10*40A	
Max. input short circuit current per MPPT (A)	10*50A	
Output (AC)		
AC output power	110kVA@45℃ / 100kVA@50℃	125kVA@45℃ / 110kVA@50℃
Max. Output current	167.2A@380V / 159.5A@400V / 153.1A@415V	190A@380V / 181.2A@400V / 174A@415V
Rated grid voltage	3/N/PE, 380V / 400V / 415V	
Grid voltage range	310~480V	
Rated frequency	50 / 60 Hz	
Grid frequency range	45~55Hz / 55~65Hz (According to local standard)	
Active power adjustable range	0~100%	
THDi	<1%(@100%P)	
Power factor	1 default (adjustable +/-0.8)	
Performance		
Max. efficiency	98.75%	
European efficiency	98.30%	
Protection		
DC reverse polarity protection	Yes	
Anti-islanding protection	Yes	
Leakage current protection	Yes	
Ground fault monitoring	Yes	
PV-array string fault monitoring	Yes	
Hight / lower voltage ride through	Yes	
DC switch	Yes	
PID recovery	Yes	
AFCI	Yes	
SPD protection	PV: type II standard, AC: type II standard	
General Data		
Ambient temperature range	-30℃~+60℃	
Self-consumption at night	<1W	
Topology	Transformerless	
Degree of protection	IP66	
Allowable relative humidity range	0~100%	
Max. operating altitude	4000m(>3000m derating)	
Weight (kg)	75	
Cooling	Smart forced air cooling	
Dimension (W*H*D)	970*695*325 mm	
Display	LCD & Bluetooth +APP	
Communication	RS485 / WiFi	

* All specifications are subject to change without notice.