

SOFAR 110K~125KTLX-G4

110 / 125 kW

THREE-PHASE TEN MPPTS



Product advantages

- Max. efficiency up to 98.6%
- IP66 design for outdoor
- Maximum 10 MPPTs with 150%+ DC overload
- Type II SPD for both DC and AC side
- AC/DC dual power supply redundant design, 24-hour status monitoring
- I-V curve scanning function
- Supports Modbus Communication, external WiFi



| Datasheet | SOFAR 110KTLX-G4 | SOFAR 125KTLX-G4 |
|-----------------------------------|---|-------------------------------------|
| Input (DC) | | |
| Max. input voltage | 1100V | |
| Rated input voltage | 625V | |
| Start-up voltage | 200V | |
| MPPT operating voltage range | 180V-1000V | |
| Number of MPPTs | 10 | |
| Number of DC inputs | 20 | |
| Max. input MPPT current | 10*40A | |
| Max. input short circuit current | 10*50A | |
| Output (AC) | | |
| Rated output power | 100kW | 110kW |
| Max. apparent power | 110kVA@45°C / 100kVA@50°C | 125kVA@45°C / 110kVA@50°C |
| Max. Output current | 167.2A@380V / 159.5A@400V / 153.1A@415V | 190A@380V / 181.2A@400V / 174A@415V |
| Rated output voltage | 3/N/PE, 380V / 400V / 415V | |
| Output voltage range | 310-480V | |
| Rated output frequency | 50/60Hz | |
| Output frequency range | 45-55Hz/55-65Hz | |
| Active power adjustable range | 0-100% | |
| THDI | <1%(@100%P) | |
| Power factor | 1 (-/-0.8 adjustable) | |
| Efficiency | | |
| Max. efficiency | 98.6% | |
| European efficiency | 98.3% | |
| 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°C ~+60°C | |
| Topology | Transformerless | |
| Degree of protection | IP66 | |
| Allowable relative humidity range | 0-100% | |
| Max. operating altitude | 4000m (>3000m derating) | |
| Cooling | Smart air cooling | |
| Dimension (W*H*D) | 970*695*325mm | |
| Weight | 75kg | |
| Display | LCD & Bluetooth +APP | |
| Communication | RS485/ WiFi | |
| Standard | EN/IEC 62109-1/2, EN/IEC 61000-6-2/-4, EN 50530, EN 50549, IEC62116, IEC 61727, IEC 61683, IEC 60068-2-1/2/14/50, VDE V 0126-1-1, UTE C15-712-1, VDE-AR-N 4105/4110, CEI 0-21/16, NTS 631, UNE 217001, UNE 217002, RD647, C99, C10/11 | |

*All specifications are subject to change without notice.