



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
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| 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°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 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°C~+60°C | |
| 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.

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