# SOFAR 3.3K~12KTLX-G3

3.3 / 4.4 / 5.5 / 6.6 / 8.8 / 11 / 10 / 12 kW

## THREE-PHASE DUAL MPPT




## Product advantages

- Maximum efficiency 98.6%
- Low start-up voltage, wide MPPT voltage
- Maximum DC input voltage 1100 V
- Smart string level monitoring
- Remote firmware upgrade
- Natural cooling, no fans, low noise
- Type II SPD for both DC and AC side



| Datasheet | SOFAR 3.3KTLX-G3 | SOFAR 4.4KTLX-G3 | SOFAR 5.5KTLX-G3 | SOFAR 6.6KTLX-G3 | SOFAR 8.8KTLX-G3 | SOFAR 11KTLX-G3 | SOFAR 10KTLX-G3-A | SOFAR 12KTLX-G3 |
|---|---|---|---|---|---|---|---|---|
| **Input (DC)** | | | | | | | | |
| Max. input voltage | 1100V | | | | | | | |
| Rated input voltage | 650V | | | | | | | |
| Start-up voltage | 160V | | | | | | | |
| MPPT operating voltage range | 140V~1000V | | | | | | | |
| Number of MPPTs | 2 | | | | | | | |
| Number of DC inputs | 1/1 | | | | 1/2 | | | |
| Max. input MPPT current | 15A/15A | | | | 15A/30A | | | |
| Max. input short circuit current | 22.5A/22.5A | | | | 22.5A/45A | | | |
| **Output (AC)** | | | | | | | | |
| Rated output power | 3000W | 4000W | 5000W | 6000W | 8000W | 10000W | 10000W | 12000W |
| Max. apparent power | 3300VA | 4400VA | 5500VA | 6600VA | 8800VA | 11000VA | 10000VA | 13200VA |
| Max. output current | 5A | 6.7A | 8.3A | 10A | 13.3A | 16.7A | 15.2A | 20A |
| Rated output voltage | 3/N/PE, 230/400Vac | | | | | | | |
| Output voltage range | 310Vac-480Vac | | | | | | | |
| Rated output frequency | 50/60Hz | | | | | | | |
| Output frequency range | 45Hz-55Hz/55Hz-65Hz | | | | | | | |
| Active power adjustable range | 0~100% | | | | | | | |
| THDi | <3% | | | | | | | |
| Power factor | 1 (adjustable+/-0.8 ) | | | | | | | |
| **Efficiency** | | | | | | | | |
| Max. efficiency | 98.40% | 98.40% | 98.40% | 98.40% | 98.50% | 98.50% | 98.50% | 98.50% |
| European efficiency | 97.50% | 97.50% | 97.50% | 97.50% | 98.00% | 98.00% | 98.00% | 98.00% |
| **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℃~+60℃ | | | | | | | |
| Self-consumption at night | <1W | | | | | | | |
| Topology | Transformerless | | | | | | | |
| Degree of protection | IP65 | | | | | | | |
| Allowable relative humidity range | 0~100% | | | | | | | |
| Max. operating altitude | 4000m | | | | | | | |
| Cooling | Natural | | | | | | | |
| Dimension (W×H×D) | 430×385×182mm | | | | | | | |
| Weight | 17kg | | | | | 18kg | | |
| Display | LCD & Bluetooth +APP | | | | | | | |
| Communication | RS485/WiFi | | | | | | | |
| Standard | IEC/EN 61000-6-1/3, IEC/EN 61000-3-2/3, IEC/EN 61000-3-11/12, IEC 62116, IEC 61727, IEC 61683, IEC 60068-1/2/14/30, IEC/EN 62109-1/2 G98/G99, CEI0-21, VDE-AR-N 4105, VDE V 0126-1-1, EN 50549-1, UNE 217002-2020 | | | | | | | |

*All specifications are subject to change without notice.