

SOFAR 15K~24KTLX-G3

15 / 17 / 20 / 22 / 24 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
- Type II SPD for both DC and AC side
- Remote firmware upgrade
- 110% long-time overload ability



| Datasheet | SOFAR 15KTLX-G3-A | SOFAR 17KTLX-G3 | SOFAR 20KTLX-G3-A | SOFAR 22KTLX-G3 | SOFAR 24KTLX-G3-A |
|-----------------------------------|--|--------------------|----------------------|--------------------|----------------------|
| Input (DC) | | | | | |
| Max. input voltage | | | 1100V | | |
| Rated input voltage | | | 650V | | |
| Start-up voltage | | | 160V | | |
| MPPT operating voltage range | | | 140V-1000V | | |
| Number of MPP trackers | | | 2 | | |
| Number for DC inputs | | | 2/2 | | |
| Max. input MPPT current | | | 26A/26A | | |
| Max. input short circuit current | | | 36A/36A | | |
| Output (AC) | | | | | |
| Rated output power | 15000W | 17000W | 20000W | 22000W | 24000W |
| Rated apparent power | 15000VA | 17000VA | 20000VA | 22000VA | 24000VA |
| Max. apparent power | 15000VA | 18700VA | 20000VA | 24200VA | 24000VA |
| Rated output current | 21.7A | 24.6A | 29.0A | 31.9A | 34.8A |
| Max. Output current | 23.9A | 27.1A | 31.9A | 35.1A | 38.3A |
| Rated output voltage | 3/N/PE, 230V/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 | 98.6% | | | | |
| European efficiency | 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 | <1W | | | | |
| Topology | Transformerless | | | | |
| Degree of protection | IP65 | | | | |
| Allowable relative humidity range | 0-100% | | | | |
| Max. operating altitude | 4000m | | | | |
| Cooling | Smart air cooling | | | | |
| Dimension(W×H×D) | 520×430×198mm | | | | |
| Weight | 20kg | 22kg | | | 23kg |
| Display | LCD & Bluetooth +APP | | | | |
| Communication | RS485/Wi-Fi | | | | |
| Standard | IEC 61000-6-1/3, IEC 61000-3-11/12, IEC 62116, IEC 61727, IEC 61683, IEC 60068-1/2/14/30, IEC 62109-1/2 AS/NZS 4777.2:2020 | | | | |

*All specifications are subject to change without notice.