

SOFAR 40~75KTLX-G4-LV

40 / 50 / 60 / 75 kW

THREE-PHASE SIX TO EIGHT MPPTS



Product advantages

- String current up to 20A, perfectly match 700W+ modules
- Maximum 8 MPPTs, support 200%+ DC/AC ratio
- AFCI function
- Type II SPD for both DC and AC side
- IP66 & C5 protection
- Lighter , easier to carry and install



| Model | SOFAR 40KTLX-G4-LV | SOFAR 50KTLX-G4-LV | SOFAR 60KTLX-G4-LV | SOFAR 75KTLX-G4-LV |
|-----------------------------------|--|--------------------|--------------------|--------------------|
| Input (DC) | | | | |
| Recommended Max. PV input power | 60000Wp | 75000Wp | 90000Wp | 112500Wp |
| Max. input voltage | 900V | | | |
| Rated input voltage | 360V | | | |
| Start-up voltage | 200V | | | |
| MPPT operating voltage range | 180V-800V | | | |
| Number of MPPTs | 6 | | 8 | |
| Number of DC inputs | 2 for each MPPT | | | |
| Max. input MPPT current | 40A | | | |
| Max. input short circuit current | 50A | | | |
| Output(AC) | | | | |
| Rated output power (@40°C) | 40kW | 50kW | 60kW | 75kW |
| Max. output power (@40°C) | 44kW | 55kW | 66kW | 75kW |
| Max. apparent power | 44kVA | 55kVA | 66kVA | 75kVA |
| Max. output current | 115.5A | 144.4A | 173.3A | 196.9A |
| Rated output voltage | 3 / N / PE, 127/220 Vac | | | |
| Output voltage range | 176-242Vac | | | |
| Rated output frequency | 50/60Hz | | | |
| Output frequency range | 45Hz-55Hz/55Hz-65Hz | | | |
| Active power adjustable range | 0-100% | | | |
| THDi | <3%(@rated output power) | | | |
| Power factor | 0.8 leading - 0.8 lagging | | | |
| Efficiency | | | | |
| Max. efficiency | ≥98.5% | | | |
| European efficiency | ≥98% | | | |
| 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 | | | |
| Self-consumption at night | <2W | | | |
| Topology | Transformerless | | | |
| Degree of protection | IP66 | | | |
| Allowable relative humidity range | 0-100% | | | |
| Max. operating altitude | 4000m (>3000mderating) | | | |
| Cooling | Smart air cooling | | | |
| Dimension(W×H×D) | 970×695×325mm | | | |
| Weight | 75kg | | | |
| Display | LCD & Bluetooth +APP | | | |
| Communication | RS485, USB, WIFI | | | |
| Standard | IEC/EN 61000-6-2/4, IEC 62116, IEC 61727, IEC/EN 62109-1/2, ABNT NBR 16149/16150 | | | |

*All specifications are subject to change without notice.