# SOFAR 250-350KTLX0

250 / 330 / 350 kW

*Three-phase string inverter*




## High yield

- Max. efficiency up to 99.05%
- High current input, compatible with 700Wp+ PV modules

## Low cost

- Supports PBUS communication, reduce investment and installation cost
- Night SVG function, night reactive power support, reduce power station investment

## Intelligent O&M

- Smart IV Curve diagnosis
- AC/DC dual power supply redundant design, 24-hour status monitoring

## Proven safety

- IP66 & C5 protection design for outdoor, adaptable to different harsh environments
- High-safety intelligent string disconnection and protection system

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| Model | SOFAR 250KTLX0 | SOFAR 330KTLX0 | SOFAR 350KTLX0 |
|---|---|---|---|
| **Input (DC)** | | | |
| Max. input voltage | 1500V | | |
| Rated input voltage | 1160V | | |
| Start-up voltage | 550V | | |
| MPPT operating voltage range | 500-1500V | | |
| Number of MPP trackers | 6 | 8 | |
| Number of DC inputs | 24 | 32 | |
| Max. input MPPT current | 6×60A | 8×60A | |
| Max. input short circuit current | 6×100A | 8×100A | |
| **Output (AC)** | | | |
| Rated output power | 250kW | 330kW | 352kW |
| Max. apparent power | 250kVA | 330kVA | 352kVA |
| Max. output current | 180.5A | 238.2A | 254.1A |
| Rated output voltage | 3/PE, 800V | | |
| Output voltage range | 640-920V | | |
| Rated output frequency | 50/60Hz | | |
| Output frequency range | 45-55Hz / 55-65Hz | | |
| Active power adjustable range | 0-100% | | |
| THDi | < 3% | | |
| Power factor | 0.8 leading - 0.8 lagging | | |
| **Efficiency** | | | |
| Max. efficiency | 99.05% | | |
| European efficiency | 98.80% | | |
| **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 | | |
| Topology | Transformerless | | |
| Degree of protection | IP66 | | |
| Allowable relative humidity range | 0-100% | | |
| Max. operating altitude | 4000m | | |
| Cooling | Smart air cooling | | |
| Dimension (W×H×D) | 1159×828×366 mm | | |
| Weight | < 111 kg | < 113 kg | |
| Display | LED, Bluetooth + APP | | |
| Communication | RS485 / PBUS | | |
| **Standard** | EN/IEC 62109-1/2, EN/IEC 61000, IEC 62116, IEC 61727, IEC 61683, IEC 60068 2-1/2/14/30, EN 50549, EN 50530, VDE-AR-N 4110/4120, NTS 631, UNE 217002, IEC 62910 | | |

*All specifications are subject to change without notice.