

SOFAR 1-4KTL2-G3

1.1 / 1.6 / 2.2 / 2.7 / 3 / 3.3 / 4 kW

SINGLE-PHASE SINGLE MPPT



Product advantages

- Max. efficiency up to 97.7%
- Lightweight, quick and easy to install
- IP65 design for outdoor
- RS485
- Feed-in limitation function



| Model | SOFAR 1.1KTL2-G3 | SOFAR 1.6KTL2-G3 | SOFAR 2.2KTL2-G3 | SOFAR 2.7KTL2-G3 | SOFAR 3KTL2-G3 | SOFAR 3.3KTL2-G3 | SOFAR 4KTL2-G3 |
|-----------------------------------|---|---------------------|---------------------|---------------------|-------------------|---------------------|-------------------|
| Input (DC) | | | | | | | |
| Max. input voltage | 500V | | | 550V | | | |
| Rated input voltage | | | | 360V | | | |
| Start-up voltage | | | | 70V | | | |
| MPPT operating voltage range | 50-500V | | | 50-550V | | | |
| Number of MPP trackers | | | | 1 | | | |
| Number of DC inputs | | | | 1 | | | |
| Max. input MPPT current | 13A | 14A | | 15A | | | |
| Max. input short circuit current | 17.5A | | | 20A | | | |
| Output (AC) | | | | | | | |
| Rated output power | 1100W | 1600W | 2200W | 2700W | 3000W | 3300W | 4000W |
| Max. apparent power | 1100VA | 1600VA | 2200VA | 2700VA | 3000VA | 3300VA | 4000VA |
| Max. output current | 5.3A | 7.7A | 10.6A | 13A | 14.5A | 16A | 19.3A |
| Rated output voltage | L/N/PE, 220Vac, 230Vac | | | | | | |
| Output voltage range | 180Vac-276Vac | | | | | | |
| Rated output frequency | 50/60Hz | | | | | | |
| Output frequency range | 45Hz-55Hz/55Hz-65Hz | | | | | | |
| Active power adjustable range | 0-100% | | | | | | |
| THDi | <3% | | | | | | |
| Power factor | 0.8 leading – 0.8 lagging | | | | | | |
| Efficiency | | | | | | | |
| Max. efficiency | 97.3% | | | 97.7% | | | |
| European efficiency | 96.7% | | | 97.2% | | | |
| 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 III, AC: type III | | | | | | |
| General Data | | | | | | | |
| Ambient temperature range | -30°C to +60°C | | | | | | |
| Self-consumption at night | <1W | | | | | | |
| Topology | Transformerless | | | | | | |
| Degree of protection | IP65 | | | | | | |
| Allowable relative humidity range | 0-100% | | | | | | |
| Max. operating altitude | 2000m | | | | | | |
| Cooling | Natural | | | | | | |
| Dimension (W×H×D) | 303×260.5×118mm | | | 321×260.5×131.5mm | | | 321×260.5×151.5mm |
| Weight | ≤6kg | | | ≤7kg | | | ≤7.3kg |
| Display | LCD+LED | | | | | | |
| Communication | RS485/Wi-Fi | | | | | | |
| Standard | IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, IEC 62116, IEC 61727, IEC 61683, IEC 60068-2-1/2/14/30, VDE V 0126-1-1, PORTARIA INMETRO N° 140, ABNT NBR 16149/16150 | | | | | | |

*All specifications are subject to change without notice.