



solis-3K-2G inverter



Leading Features

- ▶ Over 97.5% Max. efficiency
- ▶ Ultra wide input voltage range
- ▶ Dual MPPT design with precise MPPT algorithm
- ▶ Compact and light design for one-person easy installation
- ▶ IP65, visually pleasing for domestic environment
- ▶ RS 485, WiFi/GPRS (optional) interface
- ▶ Numerous protection functions
- ▶ WiFi and monitoring app available
- ▶ 5 years standard warranty, 10 years optional upgrade

| Model | Solis-3K-2G |
|---------------------------------------|---|
| Input Side (DC) | |
| Max. input power | 3.5kW |
| Max. input voltage | 600V |
| Start-up input voltage | 120V |
| MPPT voltage range | 100-500V |
| Max. input current | 10A+10A |
| MPPT number/Max. input strings number | 2/2 |
| Output Side (AC) | |
| Rated output power | 3kW |
| Max. transient power | 3.3kW |
| Rated grid voltage | 220/230/240V |
| Grid voltage range | 180~270V(adjustable) |
| Rated grid frequency | 50/60Hz |
| Operating phase | Single |
| Max. output current | 15.7A |
| Power factor | 0.8 leading ... 0.8 lagging |
| Total harmonic distortion (THDi) | <3% |
| DC injection current | <20mA |
| Grid frequency range | 47-52Hz or 57-62Hz(adjustable) |
| Efficiency | |
| Max. efficiency | 97.5% |
| EU efficiency | 96.8% |
| MPPT efficiency | 99.9% |
| Protection | |
| DC reverse-polarity protection | Yes |
| Short circuit protection | Yes |
| Output over current protection | Yes |
| Output over voltage protection | Yes |
| Insulation resistance monitoring | Yes |
| Residual current detection | Yes |
| Surge protection | Yes |
| Grid monitoring | Yes |
| Islanding protection | Yes |
| Temperature protection | Yes |
| Integrated DC switch | Optional |
| General Data | |
| Dimensions | 339W*565H*172.5D(mm) |
| Weight | 13.8kg |
| Topology | Transformerless |
| Self consumption | <1W(Night) |
| Operating ambient temperature range | -25°C~60°C |
| Ingress protection | IP65 |
| Noise emission(typical) | <30 dBA |
| Cooling concept | Natural convection |
| Max. operation altitude | 4000m |
| Designed lifetime | >20 years |
| Grid connection standard | EN50438, G83/2, AS4777, VDE0126-1-1, IEC61727 |
| Relative humidity | 0~100% |
| Safety/EMC standard | EN61000-6-1:2007; EN61000-6-3:2007 IEC62109-1/-2; AS3100 |
| Features | |
| DC connection | Original MC4 Connector |
| AC connection | IP67 rated plug |
| Display | LCD, 2 x 20 Z. |
| Interface | RS 485, WiFi/GPRS (optional) |
| Warranty | 5~10 Years |