

Mini 4G

3600W

4G

All NEW Solis Series

Solis Mini 4G Series Inverter


- ▶ All new MINI series - Extended to 3600W
- ▶ High frequency switching technology - Smaller, smarter
- ▶ DRM integrated, fully comply with AS4777.2:2015
- ▶ Compact and lightweight
- ▶ 50V-600V input voltage range- ultra low startup
- ▶ Over 97.5% Max. efficiency
- ▶ Precise MPPT algorithm
- ▶ IP65 rated for external installation
- ▶ RS485, WiFi/GPRS (optional) interface
- ▶ Multiple protections levels
- ▶ WiFi monitoring available – iphone and android app available
- ▶ 5 years standard warranty, 20 years optional upgrade



Model:

Solis-mini-3600-4G

Features:

| | | | | | |
|------------------------------------|---|--|--------------------------------|--|------------------------|
| EPM Export power manager | HF SWITCH High switch frequency | WiFi/GPRS Real time monitoring | 60V Start-up Voltage |  Available on the iPhone App Store | Weight 7.4kg |
|------------------------------------|---|--|--------------------------------|--|------------------------|

Datasheet

| Model | Solis-mini-3600-4G |
|--------------------------------------|---|
| Energy Source | PV |
| Input Side(DC) | |
| Max. DC input power(kW) | 4 |
| Max. DC input voltage(V) | 600 |
| Start-up voltage(V) | 90 |
| MPPT voltage range(V) | 80-500 |
| Max. input current(A) | 19A |
| MPPT number/Max input strings number | 1/2 |
| Output Side (AC) | |
| Rated output power(kW) | 3.6 |
| Max. apparent output power(kVA) | 3.6 |
| Max. output power(kW) | 3.6 |
| Rated grid voltage(V) | 230 |
| Grid voltage range(V) | 160-285 |
| Rated grid frequency(Hz) | 50/60 |
| Operation phase | Single |
| Rated grid output current(A) | 16 |
| Max. output current(A) | 16 |
| Power Factor (at rated output power) | 0.8...1...0.8 |
| THDi (at rated output power) | <1.5% |
| DC injection current(mA) | <20 |
| Grid frequency range(Hz) | 47-52 or 57-62 |
| Efficiency | |
| Max. efficiency | 97.5% |
| EU efficiency | 96.8% |
| MPP efficiency | >99.5% |
| 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 |
| Islanding protection | Yes |
| temperature protection | Yes |
| Integrated DC switch | Optional |
| General Data | |
| Dimensions(mm) | 310W*373H*160D (mm) |
| Weight(kg) | 7.7 |
| Topology | Transformerless |
| Self consumption (night) | <1W(Night) |
| Operating ambient temperature range | -25~60°C |
| Ingress protection | IP65 |
| Noise emission{typical} | <20 dBA |
| Cooling concept | Natural convection |
| Max. operation altitude | 4000m |
| Designed lifetime | >20years |
| Grid connection standard | EN50438, G83/2, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE N4105 |
| Relative humidity | 0~100% |
| Safety/EMC standard | IEC62109-1/-2, NB/T 32004, EN61000-6-1, EN61000-6-3 |
| Features | |
| DC connection | MC-4mateable |
| AC connection | IP67rated plug |
| Display | LCD,2*20 Z. |
| Communication connections | 4 pins RS485 connector |
| Warranty | 5 years standard (extend to 20 years) |