

Mini 4G

700W
to 3600W

4G NEW

Solis Mini 4G Series Inverter

- ▶ High switch frequency technology-Smaller, smarter
- ▶ DRM integrated, fully comply with AS4777.2:2015
- ▶ Compact and lightweight, visually pleasing for domestic environment
- ▶ 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
- ▶ 10 years standard warranty, 20 years optional upgrade



Model:

Solis-mini-700-4G

Solis-mini-1000-4G

Solis-mini-1500-4G

Solis-mini-2000-4G

Solis-mini-2500-4G

Solis-mini-3000-4G

Solis-mini-3600-4G

Leading Features:

EPM

Export power
manager

HF SWITCH

High switch
frequency

WiFi/GPRS

Real time
monitoring

60V

Start-up
Voltage

Datasheet

| Model | Solis-mini-700-4G | Solis-mini-1000-4G | Solis-mini-1500-4G | Solis-mini-2000-4G | Solis-mini-2500-4G | Solis-mini-3000-4G | Solis-mini-3600-4G |
|--------------------------------------|---|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Energy Source | PV | | | | | | |
| Input Side(DC) | | | | | | | |
| Max. DC input power(kW) | 0.9 | 1.2 | 1.8 | 2.3 | 3 | 3.5 | 4 |
| Max. DC input voltage(V) | 600 | | | | | | |
| Start-up voltage(V) | 60 | | | 90 | | | |
| MPPT voltage range(V) | 50-500 | | | 80-500 | | | |
| Max. input current(A) | 11A | | | | | | |
| MPPT number/Max input strings number | 1/1 | | | | | | |
| Output Side (AC) | | | | | | | |
| Rated output power(kW) | 0.7 | 1 | 1.5 | 2 | 2.5 | 3 | 3.6 |
| Max. apparent output power(kVA) | 0.8 | 1.1 | 1.7 | 2.2 | 2.8 | 3.3 | 3.6 |
| Max. output power(kW) | 0.8 | 1.1 | 1.7 | 2.2 | 2.8 | 3.3 | 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) | 3.0 | 4.3 | 6.5 | 8.7 | 10.9 | 13 | 16 |
| Max. output current(A) | 4.4 | 5.2 | 8.1 | 10.5 | 13.3 | 15.7 | 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 | 97.2% | | | 97.5% | | | |
| EU efficiency | 96.5% | | | 96.8% | | | |
| MPPTefficiency | >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) | 7.4 | | | | 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 | 10 years standard (extend to 20 years) | | | | | | |