

Solis-mini-3000-4G

Solis 4G Mini Series Inverters



Features:

- ▶ High frequency switching technology-Smaller, smarter
- ▶ 24-hour load consumption monitoring
- ▶ DRM integrated, fully comply with AS4777.2:2015
- ▶ Compact and lightweight
- ▶ 80V-500V input voltage range-ultra low startup
- ▶ Over 97.5% Max. efficiency
- ▶ Precise MPPT algorithm
- ▶ Intergrated Export Power Manager (EPM)
- ▶ RS485, WiFi/LAN/GPRS (optional) interface
- ▶ WiFi monitoring available-plus access to Android and Apple apps



Model:

Solis-mini-3000-4G

Datasheet

| Model Name | Solis-mini-3000-4G |
|------------|--------------------|
|------------|--------------------|

Input DC

| | |
|--|--------|
| Max. DC input power(kW) | 4.0 |
| Max. DC input voltage(V) | 600 |
| Nominal DC voltage(V) | 330 |
| Start-up voltage(V) | 90 |
| MPPT voltage range(V) | 80-500 |
| Max. input current(A) | 11A |
| Max. Short Circuit current for each MPPT | 17.2A |
| MPPT number/ Max input strings number | 1/1 |

Output AC

| | |
|---------------------------------|------|
| Rated output power(kW) | 3 |
| Max. apparent output power(kVA) | 3.3 |
| Rated grid voltage(V) | 230 |
| Rated grid output current(A) | 13 |
| Max. output current(A) | 15.7 |
| THDi (at rated output power) | <3% |

Efficiency

| | |
|-----------------|--------|
| Max. efficiency | 97.5% |
| EU efficiency | 96.8% |
| MPPT efficiency | >99.5% |

Protection

| | |
|----------------------------------|----------|
| DC reverse-polarity 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 |
| Weight (kg) | 7.7 |
| Topology | Transformerless |
| Self consumption (night) | <1W (Night) |
| Operating ambient temperature range | -25~60°C |
| Relative humidity | 0-100% |
| Ingress protection | IP65 |
| Noise emission(typical) | <20dBA |
| Cooling concept | Natural convection |
| Max. operation altitude | 4000m |
| Designed lifetime | >20 years |
| Grid connection standard | EN505049, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE4105-2018, G99, IEC 62116 |
| Safety/EMC standard | IEC62109-1/-2, NBT32004-2018, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4 |

Features

| | |
|---------------------------|---------------------------------|
| DC connection | MC4 |
| AC connection | IP67 rated plug |
| Display | LCD, 2x20 Z. |
| Communication connections | 4 Pin RS485 connector |
| Monitoring | WiFi or GPRS |
| Warranty | 5 years (extend to 20 years) |
| DRM function for AUS | Integrated DRM function for AUS |