

# Solis-mini-3600-4G

Solis Mini Series Inverters



360 degree

## Features:

- ▶ 97.5% Max. efficiency
- ▶ Super high frequency switching technology
- ▶ Wide voltage range and low startup voltage
- ▶ Precise MPPT algorithm
- ▶ Intergrated Export Power Manager (EPM)
- ▶ Compact and lightweight
- ▶ Friendly and adaptable connection to the grid



## Model:

Solis-mini-3600-4G

## Datasheet

|            |                    |
|------------|--------------------|
| Model Name | Solis-mini-3600-4G |
|------------|--------------------|

### Input DC

|                                       |         |
|---------------------------------------|---------|
| Recommended max. PV power             | 4kW     |
| Max. input voltage                    | 600V    |
| Rated voltage                         | 330V    |
| Start-up voltage                      | 90V     |
| MPPT voltage range                    | 80-500V |
| Max. input current                    | 19A     |
| Max. short circuit current            | 30A     |
| MPPT number/Max. input strings number | 1/2     |

### Output AC

|                            |                                   |
|----------------------------|-----------------------------------|
| Rated output power         | 3.6kW                             |
| Max. apparent output power | 3.6kVA                            |
| Max. output power          | 3.6kW                             |
| Rated grid voltage         | 1/N/PE, 220/230V                  |
| Rated grid frequency       | 50/60Hz                           |
| Rated grid output current  | 16A                               |
| Max. output current        | 16A                               |
| Power Factor               | >0.99 (0.8 leading - 0.8 lagging) |
| THDi                       | <3%                               |

### Efficiency

|                 |       |
|-----------------|-------|
| Max. efficiency | 97.5% |
| EU efficiency   | 96.8% |

### Protection

|                                |          |
|--------------------------------|----------|
| DC reverse-polarity protection | Yes      |
| Short circuit protection       | Yes      |
| Output over current protection | Yes      |
| Surge protection               | Yes      |
| Grid monitoring                | Yes      |
| Anti-islanding protection      | Yes      |
| Temperature protection         | Yes      |
| Integrated DC switch           | Optional |

### General Data

|                                     |  |
|-------------------------------------|--|
| Dimensions (W*H*D)                  | 310*373*160 mm   |
| Weight                              | 7.7kg  |
| Topology                            | Transformerless  |
| Self consumption                    | <1W (night)  |
| Operating ambient temperature range | -25 ~ +60°C  |
| Relative humidity                   | 0-100%   |
| Ingress protection                  | IP65   |
| Cooling concept                     | Natural convection   |
| Max. operation altitude             | 4000m  |
| Grid connection standard            | VDE-AR-N 4105, VDE V 0124, VDE V 0126-1-1, UTE C15-712-1, NRS 097-1-2, G98, G99, EN 50549-1/-2, RD 1699, UNE 206006, UNE 206007-1, IEC 61727 |
| Safety/EMC standard                 | IEC 62109-1/-2, IEC 62116, EN 61000-6-1/-2/-3/-4   |

### Features

|               |                              |
|---------------|------------------------------|
| DC connection | MC4 connector                |
| AC connection | Quick connection plug        |
| Display       | LCD, 2×20 Z                  |
| Communication | RS485, Optional: Wi-Fi, GPRS |