

Solis-mini-(700-3600)-4G

Solis 4G Mini Series Inverters



Features:

- ▶ Over 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-700-4G
Solis-mini-1500-4G
Solis-mini-2500-4G
Solis-mini-3600-4G

Solis-mini-1000-4G
Solis-mini-2000-4G
Solis-mini-3000-4G

Datasheet

| Model Name | 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 |
|------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|

Input DC

| | | | | | | | |
|---------------------------------------|---------|-------|-------|---------|-----|-------|-----|
| Max. input power | 0.9kW | 1.2kW | 1.8kW | 2.3kW | 3kW | 3.5kW | 4kW |
| Max. input voltage | 600V | | | | | | |
| Rated voltage | 200V | | | 330V | | | |
| Start-up voltage | 60V | | | 90V | | | |
| MPPT voltage range | 50-500V | | | 80-500V | | | |
| Max. input current | 11A | | | | | | 19A |
| Max. Short Circuit current | 17.2A | | | | | | 30A |
| MPPT number/Max. input strings number | 1/1 | | | | | | 1/2 |

Output AC

| | | | | | | | |
|----------------------------|--|----------|----------|----------|------------|----------|--------|
| Rated output power | 0.7kW | 1kW | 1.5kW | 2kW | 2.5kW | 3kW | 3.6kW |
| Max. apparent output power | 0.8kVA | 1.1kVA | 1.7kVA | 2.2kVA | 2.8kVA | 3.3kVA | 3.6kVA |
| Max. output power | 0.8kW | 1.1kW | 1.7kW | 2.2kW | 2.8kW | 3.3kW | 3.6kW |
| Rated grid voltage | 1/N/PE, 220V/230V | | | | | | |
| Rated grid frequency | 50Hz/60Hz | | | | | | |
| Rated grid output current | 3.2/3.0A | 4.5/4.3A | 6.8/6.5A | 9.1/8.7A | 11.4/10.9A | 13.6/13A | 16A |
| Max. output current | 4.4A | 5.2A | 8.1A | 10.5A | 13.3A | 15.7A | 16A |
| Power Factor | >0.99 (Adjustable from 0.8 leading to 0.8 lagging) | | | | | | |
| THDi | <3% | | | | | | |

Efficiency

| | | | | | | | |
|-----------------|-------|--|--|-------|--|--|--|
| Max. efficiency | 97.2% | | | 97.5% | | | |
| EU efficiency | 96.5% | | | 96.8% | | | |

Protection

| | |
|--------------------------------|----------|
| DC reverse-polarity protection | Yes |
| Short circuit protection | Yes |
| Output over current protection | Yes |
| Surge protection (DC/AC) | Yes |
| Grid monitoring | Yes |
| Islanding protection | Yes |
| Temperature protection | Yes |
| Integrated DC switch | Optional |

General Data

| | | |
|-------------------------------------|---|-------|
| Dimensions (W*H*D) | 310mm*373mm*160mm | |
| Weight | 7.4kg | 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, IEC61727 | |
| Safety/EMC standard | IEC 62109-1/-2, IEC62116, EN 61000-6-1/-2/-3/-4 | |

Features

| | |
|---------------|-----------------------------|
| DC connection | MC4 |
| AC connection | IP67 Rated plug |
| Display | LCD, 2×20 Z. |
| Communication | RS485; WiFi/GPRS (optional) |