# Solis-3P8K-4G

Solis 4G Three Phase Inverters



## Features:

▶ Solis 3P 4G Three Phase Range

▶ 160V-850V MPPT voltage range-ultra low startup

▶ Dual MPPT design with precise MPPT algorithm

▶ THDi<1.5%, low harmonic distortion against grid

▶ Over 98.7% Max. effciency

▶ Multiple protections levels

▶ RS485, WiFi/LAN/GPRS (optional) interface

▶ WiFi monitoring available-Android and Apple App store available

▶ 5 years standard warranty, 20 years optional upgrade



563mm
310mm
219mm

## Model:

Solis-3P8K-4G

## Datasheet

| Model Name | Solis-3P8K-4G |
|---|---|
| **Input DC** | |
| Max. DC input power(kW) | 9.6 |
| Max. DC input voltage(V) | 1000 |
| Start-up voltage(V) | 180 |
| MPPT voltage range(V) | 160-850 |
| Max. input current(A/B) | 11A+11A |
| Max. Short Circuit current for each MPPT | 17.2A+17.2A |
| MPPT number/Max input strings number | 2/A:1; B:1 |
| **Output AC** | |
| Rated output power(kW) | 8 |
| Max. apparent output power(kVA) | 8.8 |
| Max. output power(kW) | 8.8 |
| Rated grid voltage(V) | 400 |
| Rated grid frequency(Hz) | 50/60 |
| Grid frequency range(Hz) | 47-52 or 57-62 |
| Operation phase | Three Phase |
| Rated grid output current(A) | 11.5 |
| Max. output current(A) | 12.7 |
| Power Factor (at rated output power) | 0.8leading ... 0.8lagging |
| THDi (at rated output power) | <1.5% |
| DC injection current | <0.5%In |
| **Efficiency** | |
| Max. efficiency | 98.7% |
| EU efficiency | 98.1% |
| MPPT 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 |
| Grid monitoring | Yes |
| Islanding protection | Yes |
| Temperature protection | Yes |
| Integrated DC switch | Optional |
| **General Data** | |
| Dimensins(mm) | 310W*563H*219D |
| Weight (kg) | 18 |
| Topology | Transformerless |
| Self consumption (night) | <1W (Night) |
| Operating ambient temperature range | -25~60℃ |
| Relative humidity | 0~100% |
| Ingress protection | IP65 |
| Noise emission(typical) | <30 dBA |
| Cooling concept | Natural convection |
| Max. operation altitude | 4000m |
| Designed lifetime | >20 years |
| Grid connection standard | EN50438, AS4777, VDE0126-1-1, IEC61727, G98, G99 |
| Safty/EMC standard | IEC62109-1/-2, AS3100, EN61000-6-1, EN61000-6-3 |
| **Features** | |
| DC connection | MC4 |
| AC connection | Terminal connectors |
| Display | LCD, 2×20 Z. |
| Communication connections | 4 pins RS485 connector |
| Monitoring | WiFi or GPRS |
| Warranty | 5 years (extand to 20 years) |