

Solis-25K-5G

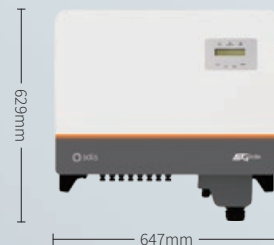
Solis 5G Three Phase Inverters



360 degree

Features:

- ▶ 98.8% Max. efficiency
- ▶ Wide voltage range and low startup voltage
- ▶ 3 MPPT design with precise MPPT algorithm
- ▶ THDi<3%, low harmonic distortion against grid
- ▶ Anti-resonance, supporting over 6MW paralleled in one transformer
- ▶ Perfect commercial site monitoring solution
- ▶ 130% DC overload ratio, 13A input for each PV string
- ▶ Strings intelligent monitoring, Smart I-V Curve Diagnosis supported
- ▶ Fuse free design to avoid fire hazard
- ▶ Type II surge arrester for both DC and AC
- ▶ Natural convection, Fan-less design, longer lifespan
- ▶ Leakage current repression technology
- ▶ Volt-watt work mode integrated
- ▶ DC input reverse alarm
- ▶ Intergrated Export Power Manager (EPM)



Model:

400V: Solis-25K-5G

Datasheet

| | |
|------------|--------------|
| Model Name | Solis-25K-5G |
|------------|--------------|

Input DC

| | |
|---------------------------------------|-------------|
| Recommended max. PV power | 33kW |
| Max. input voltage | 1100V |
| Rated voltage | 600V |
| Start-up voltage | 180V |
| MPPT voltage range | 200-1000V |
| Max. input current | 26A/26A/26A |
| Max. short circuit current | 40A/40A/40A |
| MPPT number/Max. input strings number | 3/6 |

Output AC

| | |
|----------------------------|-----------------------------------|
| Rated output power | 25kW |
| Max. apparent output power | 27.5kVA |
| Max. output power | 27.5kW |
| Rated grid voltage | 3/N/PE, 220/380V, 230/400V |
| Rated grid frequency | 50/60Hz |
| Rated grid output current | 38.0A/36.1A |
| Max. output current | 41.8A |
| Power Factor | >0.99 (0.8 leading - 0.8 lagging) |
| THDi | <3% |

Efficiency

| | |
|-----------------|-------|
| Max. efficiency | 98.8% |
| EU efficiency | 98.3% |

Protection

| | |
|--------------------------------|-------------------------|
| DC reverse-polarity protection | Yes |
| Short circuit protection | Yes |
| Output over current protection | Yes |
| Surge protection | DC Type II / AC Type II |
| Grid monitoring | Yes |
| Anti-islanding protection | Yes |
| Temperature protection | Yes |
| Strings monitoring | Yes |
| I/V Curve scanning | Yes |
| Anti-PID function | Optional |
| Integrated DC switch | Optional |

General Data

| | |
|-------------------------------------|---|
| Dimensions (W*H*D) | 647*629*252 mm |
| Weight | 45kg |
| 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 | EN50549, G99, AS4777.2-2015, VDE0126-1-1, IEC 62727, VDE4105-2018, NB/T 32004 |
| Safety/EMC standard | IEC62109-1/-2, EN61000-6-2, EN61000-6-3 |

Features

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