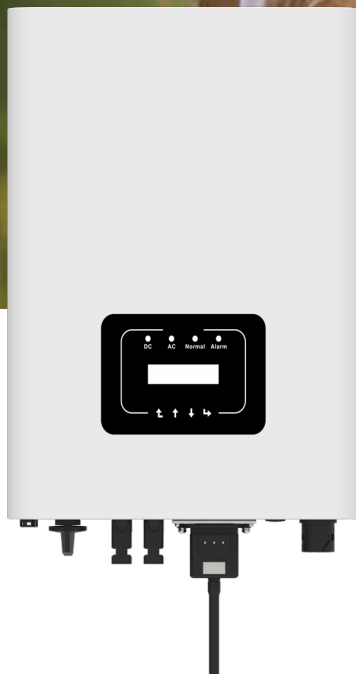


Three Phase String Inverter (LV)

SUN- 6 / 8 K-G03-LV



- LV** 127/220Vac and 60Hz, Three phase system
- ▲** 2 MPP tracker, Max. efficiency up to 98.3%
- 0** Zero export application, VSG application
- ▲** String intelligent monitoring (optional)
- ~** Wide output voltage range
- PID** Ani-PID function (Optional)

| Model | SUN-6K-G03-LV | SUN-8K-G03-LV |
|--|---|----------------|
| Input Side | | |
| Max. DC Input Power (kW) | 7.8 | 10.4 |
| Max. DC Input Voltage (V) | 800 | |
| Start-up DC Input Voltage (V) | 250 | |
| MPPT Operating Range (V) | 200~700 | |
| Max. DC Input Current (A) | 13+13 | 13+26 |
| Max. Short Circuit Current (A) | 19.5+19.5 | 19.5+39 |
| Number of MPPT / Strings per MPPT | 2 / 1 | 2 / 1+2 |
| Output Side | | |
| Rated Output Power (kW) | 6 | 8 |
| Max. Active Power (kW) | 6.6 | 8.8 |
| Rated AC Grid Voltage (V) | 127 / 220 | |
| AC Grid Voltage Range (V) | 176Vac~242Vac (this may vary with grid standards) | |
| Rated Grid Frequency (Hz) | 60 / 50 (Optional) | |
| Operating Phase | Three phase | |
| Rated AC Grid Output Current (A) | 15.7 | 21 |
| Max. AC Output Current (A) | 17.3 | 23.1 |
| Output Power Factor | 0.8 leading to 0.8 lagging | |
| Grid Current THD | <3% | |
| DC Injection Current (mA) | <0.5% | |
| Grid Frequency Range | 47~52 or 57~62 (Optional) | |
| Efficiency | | |
| Max. Efficiency | 98.3% | 98.5% |
| Euro Efficiency | 97.5% | |
| MPPT Efficiency | >99% | |
| Protection | | |
| DC Reverse-Polarity Protection | Yes | |
| AC Short Circuit Protection | Yes | |
| AC Output Overcurrent Protection | Yes | |
| Output Overvoltage Protection | Yes | |
| Insulation Resistance Protection | Yes | |
| Ground Fault Monitoring | Yes | |
| Anti-islanding Protection | Yes | |
| Temperature Protection | Yes | |
| Integrated DC Switch | Yes | |
| Remote software upload | Yes | |
| Remote change of operating parameters | Yes | |
| Surge protection | DC Type II / AC Type II | |
| General Data | | |
| Size (mm) | 330W×457.5H×185D | 330W×472H×202D |
| Weight (kg) | 10 | 15 |
| Topology | Transformerless | |
| Internal Consumption | <1W (Night) | |
| Running Temperature | -25~65°C | |
| Ingress Protection | IP65 | |
| Noise Emission (Typical) | <25 dB | <45 dB |
| Cooling Concept | Natural cooling | Smart cooling |
| Max. Operating Altitude Without Derating | 2000m | |
| Designed Lifetime | >20 years | |
| Grid Connection Standard | ABNT NBR 16149, ABNT NBR 16150, ABNT NBR IEC 62116 | |
| Operating Surroundings Humidity | 0-100% | |
| Safety EMC / Standard | IEC62109-1/-2, IEC61000-6-2, IEC61000-6-4, IEC61000-3-11, IEC61000-3-12 | |
| Features | | |
| DC Connection | MC-4 mateable | |
| AC Connection | IP65 rated plug | |
| Display | LCD1602 | |
| Interface | RS485/RS232/Wifi/LAN | |