

Single Phase String Inverter

SUN- 7.5 / 8 K-G



2 MPP tracker, Max. efficiency up to 98.5%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)

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Clean Power For You

| Model | SUN-7.5K-G | SUN-8K-G |
|--|---|----------|
| Input Side | | |
| Max. DC Input Power (kW) | 9.8 | 10.4 |
| Max. DC Input Voltage (V) | | 550 |
| Start-up DC Input Voltage (V) | | 120 |
| MPPT Operating Range (V) | | 70~550 |
| Max. DC Input Current (A) | 13+25 | 13+25 |
| Number of MPPT / Strings per MPPT | 2 / 1+2 | 2 / 1+2 |
| Output Side | | |
| Rated Output Power (kW) | 7.5 | 8 |
| Max. Active Power (kW) | 8.3 | 8.8 |
| Rated AC Grid Voltage (V) | 220 / 230 (Optional) | |
| AC Grid Voltage Range (V) | 180Vac~300 Vac (this may vary with grid standards) | |
| Rated Grid Frequency (Hz) | 50 / 60 (Optional) | |
| Operating Phase | Single phase | |
| Rated AC Grid Output Current (A) | 32.6 | 34.8 |
| Max. AC Output Current (A) | 35.9 | 38.3 |
| 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 | 98.5% | |
| Euro Efficiency | 97.5% | |
| MPPT Efficiency | >99,5% | |
| 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×310H×198.5D | |
| Weight (kg) | 11 | |
| Topology | Transformerless | |
| Internal Consumption | <1W (Night) | |
| Running Temperature | -25~60°C | |
| Ingress Protection | IP65 | |
| Noise Emission (Typical) | <25 dB | |
| Cooling Concept | Natural cooling | |
| Max. Operating Altitude Without Derating | 2000m | |
| Designed Lifetime | >20 years | |
| Grid Connection Standard | ABNT NBR 16149, ABNT NBR 16150, ABNT NBR IEC 62116, RD1699, UNE 206006 IN, UNE 206007-1 IN, UNE 217001 IN | |
| Operating Surroundings Humidity | 0-100% | |
| Safety EMC / Standard | IEC62109-1/-2, IEC61000-6-1, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12 | |
| Features | | |
| DC Connection | MC-4 mateable | |
| AC Connection | IP65 rated plug | |
| Display | LCD1602 | |
| Interface | RS485/RS232/Wifi/LAN | |