



SUNGROW

SG2K-S | SG2.5K-S | SG3K-S/D | SG5K-D | SG8K-D Premium

Residential Single Phase Inverter



2020 MODEL NOW FEATURES :

- **10 Years Parts & Labour Warranty**
For peace of mind
- **Built-in DC Isolator**
Enables a flexible & tidy installation
- **Improved Monitoring Platform**
Monitors solar production & household consumption 24/7

Scan the QR code with your phone's camera for a video demonstration of Sungrow's monitoring



SMART MANAGEMENT

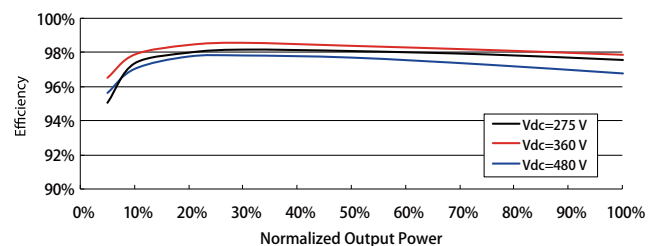
- 24H real-time load monitoring
- Easy local and online monitoring via App or Web



SAFE AND DURABLE

- Quick arc fault circuit interrupter
- Built in type II DC & AC surge protection devices
- Built in certified PV Isolator

Efficiency Curve





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Residential Single Phase Inverter

| Inverter Type | SG2K-D | SG2.5K-D | SG3K-S/D | SG5K-D | SG8K-D |
|--|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Input (DC) | | | | | |
| Max PV input voltage | 600V | 600V | 600V | 600V | 600V |
| Min PV input voltage Startup Voltage | 90V 120V | 90V 120V | 90V 120V | 90V 120V | 90V 120V |
| MPP voltage range | 90V 560V | 90V 560V | 90V 560V | 90V 560V | 90V 560V |
| No. of MPPT's | 1 | 1 | S - 1 D - 2 | 2 | 2 |
| Max PV input current | 12.5A | 12.5A | S - 12.5A D - 12.5A 12.5A | 12.5A 12.5A | 12.5A 25A |
| Output Side Data | | | | | |
| AC output power | 2kW | 2.5kW | 3kW | 5kW | 8kW |
| AC voltage range | 180 - 276 Vac | 180 - 276 Vac | 180 - 276 Vac | 180 - 276 Vac | 180 - 276 Vac |
| Feed-in phases Connection phases | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| Efficiency | | | | | |
| Max Efficiency | 98.2% | 98.2% | 98.2% 98.4% | 98.4% | 98.5% |
| Protection | | | | | |
| Grid monitoring | Yes | Yes | Yes | Yes | Yes |
| PV string current monitoring | Yes | Yes | Yes | Yes | Yes |
| DC switch | Yes | Yes | Yes | Yes | Yes |
| | (meet AS60947.3:2018) | (meet AS60947.3:2018) | (meet AS60947.3:2018) | (meet AS60947.3:2018) | (meet AS60947.3:2018) |
| General Data | | | | | |
| Dimensions | 300*370*125mm | 300*370*125mm | 300*370*125mm 360*390*133mm | 360*390*133mm | 360*390*148mm |
| Weight | 8.5KG | 8.5KG | 8.5Kg 11.5Kg | 11.5Kg | 15.5Kg |
| Isolation method | Transformerless | Transformerless | Transformerless | Transformerless | Transformerless |
| Ingress protection rating | IP65 | IP65 | IP65 | IP65 | IP65 |
| Power loss in night mode | < 3 W | < 3 W | < 3 W | < 3 W | < 3 W |
| Operating ambient temperature | -25 °C to 60 °C (>45 °C derating) | -25 °C to 60 °C (>45 °C derating) | -25 °C to 60 °C (>45 °C derating) | -25 °C to 60 °C (>45 °C derating) | -25 °C to 60 °C (>45 °C derating) |
| Cooling Method | Natural Cooling | Natural Cooling | Natural Cooling | Natural Cooling | Natural Cooling |
| Display Communication | LCD WLAN | LCD WLAN | LCD WLAN | LCD WLAN | LCD WLAN |