

Compact and silent inverter for modern homes

- ✓ Maximised energy output
- ✓ Modern and compact design
- ✓ Smart and efficient operation
- ✓ Highest safety standards

Designed for high energy yields and silent operation, the XS G3 series is an ultra-small solar inverter for residential PV systems. Installed in the house or on an outside wall, it supports multiple smart home integration protocols and is compatible with high-power modules, catering up to 16A. Additional functionalities, including power export limiting and 24h load monitoring, can be provided with GoodWe accessories.

 Increased yield (110% AC power)

 Low start-up voltage

 Compact and lightweight



| Technical Data | GW700- XS-30 | GW1000- XS-30 | GW1500- XS-30 | GW2000- XS-30 | GW2500- XS-30 | GW3000- XS-30 |
|---|-----------------|------------------|------------------|---|------------------|------------------|
| Input | | | | | | |
| Max. Input Voltage (V) | | | | 600 | | |
| MPPT Operating Voltage Range (V) | 40 ~ 450 | 40 ~ 450 | 40 ~ 450 | 40 ~ 450 | 40 ~ 550 | 40 ~ 550 |
| Start-up Voltage (V) | | | | 50 | | |
| Nominal Input Voltage (V) | | | | 360 | | |
| Max. Input Current per MPPT (A) | | | | 16 | | |
| Max. Short Circuit Current per MPPT (A) | | | | 25 | | |
| Number of MPP Trackers | | | | 1 | | |
| Number of Strings per MPPT | | | | 1 | | |
| Output | | | | | | |
| Nominal Output Power (W) | 700 | 1000 | 1500 | 2000 | 2500 | 3000 |
| Nominal Output Apparent Power (VA) | 700 | 1000 | 1500 | 2000 | 2500 | 3000 |
| Max. AC Active Power (W) | 700 | 1000 | 1500 | 2000 | 2500 | 3000 |
| Max. AC Apparent Power (VA) | 700 | 1000 | 1500 | 2000 | 2500 | 3000 |
| Nominal Output Voltage (V) | | | | 220 / 230 / 240, L / N / PE | | |
| Output Voltage Range (V) (According to local standard) | | | | 154 ~ 288 | | |
| Nominal AC Grid Frequency (Hz) | | | | 50 / 60 | | |
| AC Grid Frequency Range (Hz) | | | | 45 ~ 55 / 57 ~ 63 | | |
| Max. Output Current (A) | 3.2 | 4.6 | 6.9 | 9.1 | 11.4 | 13.7 |
| Power Factor | | | | ~1 (Adjustable from 0.8 leading to 0.8 lagging) | | |
| Max. Total Harmonic Distortion | | | | <3% | | |
| Efficiency | | | | | | |
| Max. Efficiency | 97.0% | 97.1% | 97.2% | 97.6% | 97.6% | 97.6% |
| European Efficiency | 93.2% | 95.0% | 96.0% | 96.8% | 97.0% | 97.1% |
| Protection | | | | | | |
| PV String Current Monitoring | | | | Integrated | | |
| PV Insulation Resistance Detection | | | | Integrated | | |
| Residual Current Monitoring | | | | Integrated | | |
| PV Reverse Polarity Protection | | | | Integrated | | |
| Anti-islanding Protection | | | | Integrated | | |
| AC Overcurrent Protection | | | | Integrated | | |
| AC Short Circuit Protection | | | | Integrated | | |
| AC Overvoltage Protection | | | | Integrated | | |
| DC Switch | | | | Integrated | | |
| DC Surge Protection | | | | Type III (Type II Optional) | | |
| AC Surge Protection | | | | Type III (Type II Optional) | | |
| AFCI | | | | Optional | | |
| Remote Shutdown | | | | Integrated | | |
| Power Supply at Night ^{*1} | | | | Integrated | | |
| General Data | | | | | | |
| Operating Temperature Range (°C) | | | | -25 ~ +60 | | |
| Relative Humidity | | | | 0 ~ 100% | | |
| Max. Operating Altitude (m) | | | | 4000 | | |
| Cooling Method | | | | Natural Convection | | |
| User Interface | | | | LED, LCD (Optional), WLAN + APP | | |
| Communication | | | | RS485, WiFi, LAN or 4G or Bluetooth (Optional) | | |
| Communication Protocols | | | | Modbus-RTU (SunSpec Compliant), ModBus TCP (Optional) | | |
| Weight (kg) | | | | 4.6 | | |
| Dimension (W x H x D mm) | | | | 306 x 218 x 119 | | |
| Noise Emission (dB) | | | | <20 | | |
| Topology | | | | Non-isolated | | |
| Self-consumption at Night (W) | | | | <3 | | |
| Ingress Protection Rating | | | | IP66 | | |
| DC Connector | | | | MC4 (4 ~ 6mm ²) | | |
| AC Connector | | | | Plug and Play Connector | | |

*1: This product only supports AC power supply, not PV power supply.
*: Please visit GoodWe website for the latest certificates.