

GOODWE

XS PLUS+ Series

0.7-3kW | Single Phase | 1 MPPT

GoodWe XS PLUS+ is an ultra-small residential solar inverter specifically designed to bring comfort and quiet operation as well as high efficiency to households. Its capacity ranges from 0.7kW to 3.0kW and its most outstanding characteristic is lightweight, which is only 5.8kg and as well as its extremely compact size equivalent to an A4 paper, that make it particularly easy to carry & install. Remarkably, it offers 130% of DC input oversizing and 110% of AC output overloading, and it's able to achieve maximum European efficiency of 97.2% for maximum performance. Conveniently, the communication options available on this inverter are both LAN and WiFi for smart home integration.



Smart Control & Monitoring

- Load consumption monitoring
- Power export limit



High Power Generation

- Max. 15A DC input current per string
- 40V start-up voltage



Superb Safety & Reliability

- IP65 ingress protection
- Quality and robust components



Friendly & Thoughtful Design

- Fanless design for quiet operation
- A4 size with light weight

| Technical Data | GW700-XS-11 | GW1000-XS-11 | GW1500-XS-11 | GW2000-XS-11 | GW2500-XS-11 | GW3000-XS-11 |
|---|---|-----------------|-----------------|-----------------|-----------------|-----------------|
| Input | | | | | | |
| Max. Input Voltage (V) | 500 | 500 | 500 | 500 | 600 | 600 |
| MPPT Operating Voltage Range (V) | 40 ~ 450 | 40 ~ 450 | 50 ~ 450 | 50 ~ 450 | 50 ~ 550 | 50 ~ 550 |
| Start-up Voltage (V) | 40 | 40 | 50 | 50 | 50 | 50 |
| Nominal Input Voltage (V) | 360 | 360 | 360 | 360 | 360 | 360 |
| Max. Input Current per MPPT (A) | 15 | 15 | 15 | 15 | 15 | 15 |
| Max. Short Circuit Current per MPPT (A) | 18.75 | 18.75 | 18.75 | 18.75 | 18.75 | 18.75 |
| Number of MPP Trackers | 1 | 1 | 1 | 1 | 1 | 1 |
| Number of Strings per MPPT | 1 | 1 | 1 | 1 | 1 | 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) ^{*1} | 800 | 1100 | 1650 | 2200 | 2750 | 3300 |
| Max. AC Apparent Power (VA) ^{*1} | 800 | 1100 | 1650 | 2200 | 2750 | 3300 |
| Nominal Output Voltage (V) | 230 | 230 | 230 | 230 | 220 / 230 | 220 / 230 |
| Nominal AC Grid Frequency (Hz) | 50 / 60 | 50 / 60 | 50 / 60 | 50 / 60 | 50 / 60 | 50 / 60 |
| Max. Output Current (A) | 3.5 | 4.8 | 7.2 | 9.6 | 12.0 | 14.3 |
| Power Factor | ~1 (Adjustable from 0.8 leading to 0.8 lagging) | | | | | |
| Max. Total Harmonic Distortion | <3% | <3% | <3% | <3% | <3% | <3% |
| Efficiency | | | | | | |
| Max. Efficiency | 97.2% | 97.2% | 97.3% | 97.5% | 97.6% | 97.6% |
| European Efficiency | 96.0% | 96.4% | 96.6% | 97.0% | 97.2% | 97.2% |
| Protection | | | | | | |
| PV Insulation Resistance Detection | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| Residual Current Monitoring | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| Anti-islanding Protection | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| AC Overcurrent Protection | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| AC Short Circuit Protection | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| AC Overvoltage Protection | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| DC Switch | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| DC Surge Protection | Type III (Type II Optional) | | | | | |
| AC Surge Protection | Type III | Type III | Type III | Type III | Type III | Type III |
| AFCI | Optional | Optional | Optional | Optional | Optional | Optional |
| Emergency Power Off | Optional | Optional | Optional | Optional | Optional | Optional |
| Remote Shutdown | Optional | Optional | Optional | Optional | Optional | Optional |
| General Data | | | | | | |
| Operating Temperature Range (°C) | -25 ~ +60 | -25 ~ +60 | -25 ~ +60 | -25 ~ +60 | -25 ~ +60 | -25 ~ +60 |
| Relative Humidity | 0 ~ 100% | 0 ~ 100% | 0 ~ 100% | 0 ~ 100% | 0 ~ 100% | 0 ~ 100% |
| Max. Operating Altitude (m) | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| Cooling Method | Natural Convection | | | | | |
| User Interface | LED, LCD, WLAN + APP | | | | | |
| Communication | WiFi or LAN or RS485 (Optional) | | | | | |
| Weight (kg) | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 |
| Dimension (W x H x D mm) | 295 x 230 x 113 | 295 x 230 x 113 | 295 x 230 x 113 | 295 x 230 x 113 | 295 x 230 x 113 | 295 x 230 x 113 |
| Noise Emission (dB) | <25 | <25 | <25 | <25 | <30 | <30 |
| Topology | Non-isolated | Non-isolated | Non-isolated | Non-isolated | Non-isolated | Non-isolated |
| Self-consumption at Night (W) | <1 | <1 | <1 | <1 | <1 | <1 |
| Ingress Protection Rating | IP65 | IP65 | IP65 | IP65 | IP65 | IP65 |
| DC Connector | MC4 (2.5 ~ 4mm ²) | | | | | |
| AC Connector | plug and play connector | | | | | |

*1: For Chile. Max. AC Active Power (W) & Max. Output Apparent Power (VA) : GW700-XS-11 is 700, GW1000-XS-11 is 1000, GW1500-XS-11 is 1500, GW2000-XS-11 is 2000, GW2500-XS-11 is 2500, GW3000-XS-11 is 3000.

*: Please visit GoodWe website for the latest certificates.