

XS Series

Single MPPT, Single Phase



| Technical Data | GW700-XS | GW1000-XS | GW1500-XS | GW2000-XS | GW2500-XS | GW3000-XS |
|---------------------------------------|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| PV String Input Data | | | | | | |
| Max. DC Input Power (W) | 910 | 1300 | 1950 | 2600 | 3250 | 3900 |
| Max. DC Input Voltage (V) | 500 | 500 | 500 | 500 | 500 | 500 |
| MPPT Range (V) | 40~450 | 40~450 | 50~450 | 50~450 | 50~450 | 50~450 |
| Start-up Voltage (V) | 40 | 40 | 50 | 50 | 50 | 50 |
| Nominal DC Input Voltage (V) | 360 | 360 | 360 | 360 | 360 | 360 |
| Max. Input Current (A) | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 |
| Max. Short Current (A) | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 |
| No. of MPP Trackers | 1 | 1 | 1 | 1 | 1 | 1 |
| No. of Input Strings per Tracker | 1 | 1 | 1 | 1 | 1 | 1 |
| AC Output Data | | | | | | |
| Nominal Output Power (W) | 700 | 1000 | 1500 | 2000 | 2500 | 3000 |
| Max. Output Apparent Power (VA) | 770 | 1100 | 1650 | 2200 | 2750 | 3300 |
| Nominal Output Voltage (V) | 220/230 | 220/230 | 220/230 | 220/230 | 220/230 | 220/230 |
| Nominal Output 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 | 14.3 |
| Output Power Factor | ~1 (Adjustable from 0.8 leading to 0.8 lagging) | | | | | |
| Output THDi (@Nominal Output) | <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 | | | | | | |
| Anti-islanding Protection | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| Input Reverse Polarity Protection | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| Insulation Resistor Detection | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| DC SPD Protection | Integrated (Type III) | Integrated (Type III) | Integrated (Type III) | Integrated (Type III) | Integrated (Type III) | Integrated (Type III) |
| AC SPD Protection | Integrated (Type III) | Integrated (Type III) | Integrated (Type III) | Integrated (Type III) | Integrated (Type III) | Integrated (Type III) |
| Residual Current Monitoring Unit | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| Output Over Current Protection | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| Output Short Protection | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| Output Over Voltage Protection | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| 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% |
| Operating Altitude (m) | ≤4000 | ≤4000 | ≤4000 | ≤4000 | ≤4000 | ≤4000 |
| Cooling | Natural Convection | | | | | |
| User Interface | LCD & LED | LCD & LED | LCD & LED | LCD & LED | LCD & LED | LCD & LED |
| Communication | WiFi or LAN | WiFi or LAN | WiFi or LAN | WiFi or LAN | WiFi or LAN | WiFi or LAN |
| Weight (kg) | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 |
| Size (Width*Height*Depth mm) | 295*230*113 | 295*230*113 | 295*230*113 | 295*230*113 | 295*230*113 | 295*230*113 |
| Protection Degree | IP65 | IP65 | IP65 | IP65 | IP65 | IP65 |
| Night Self Consumption (W) | <1 | <1 | <1 | <1 | <1 | <1 |
| Topology | Transformerless | | | | | |
| Certifications & Standards | | | | | | |
| Grid Regulation | VDE0126-1-1, EN50438 (PL), VDE4105, G98, AS/NZ S4777.2, CEI 0-21, UTE 15-712-1, RD1699+UNE, EN505049-1, IEC61727, IEC62116, UL1741, IIEEE1547 | | | | | |
| Safety Regulation | IEC62109-1&-2 | | | | | |
| EMC | EN61000 | | | | | |