

MS Series

Three-MPPT, Single-Phase



| Technical Data | GW5000-MS | GW6000-MS | GW7000-MS | GW8500-MS | GW10K-MS |
|-----------------------------------|---|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| PV String Input Data | | | | | |
| Max. DC Input Power (Wp) | 10000 | 12000 | 13500 | 13500 | 13500 |
| Max. DC Input Voltage (V) | 600 | 600 | 600 | 600 | 600 |
| MPPT Range (V) | 80~550 | 80~550 | 80~550 | 80~550 | 80~550 |
| Start-up Voltage (V) | 80 | 80 | 80 | 80 | 80 |
| Nominal DC Input Voltage (V) | 360 | 360 | 360 | 360 | 360 |
| Max. Input Current (A) | 12.5/12.5/12.5 | 12.5/12.5/12.5 | 12.5/12.5/12.5 | 12.5/12.5/12.5 | 12.5/12.5/12.5 |
| Max. Short Current (A) | 15/15/15 | 15/15/15 | 15/15/15 | 15/15/15 | 15/15/15 |
| No. of MPP Trackers | 3 | 3 | 3 | 3 | 3 |
| No. of Input Strings per Tracker | 1/1/1 | 1/1/1 | 1/1/1 | 1/1/1 | 1/1/1 |
| AC Output Data | | | | | |
| Nominal Output Power (W) | 5000 | 6000 | 7000 | 8500 | 10000 |
| Max. Output Apparent Power (VA) | 5500 | 6600 | 7700 | 9350 | 10000 |
| Nominal Output Voltage (V) | 220/230 | 220/230 | 220/230 | 220/230 | 220/230 |
| Nominal Output Frequency (Hz) | 50/60 | 50/60 | 50/60 | 50/60 | 50/60 |
| Max. Output Current (A) | 25 | 30 | 35 | 42.5 | 45.5 |
| Output Power Factor | ~1 (Adjustable from 0.8 leading to 0.8 lagging) | | | | |
| Output THDi (@Nominal Output) | <3% | <3% | <3% | <3% | <3% |
| Efficiency | | | | | |
| Max. Efficiency | 97.7% | 97.7% | 97.7% | 97.7% | 97.7% |
| European Efficiency | 97.3% | 97.3% | 97.3% | 97.3% | 97.3% |
| Protection | | | | | |
| Anti-islanding Protection | Integrated | Integrated | Integrated | Integrated | Integrated |
| Input Reverse Polarity Protection | Integrated | Integrated | Integrated | Integrated | Integrated |
| Insulation Resistor Detection | Integrated | Integrated | Integrated | Integrated | Integrated |
| DC SPD Protection | Type II | Type II | Type II | Type II | Type II |
| AC SPD Protection | Type III (Type II optional) | Type III (Type II optional) | Type III (Type II optional) | Type III (Type II optional) | Type III (Type II optional) |
| Residual Current Monitoring Unit | Integrated | Integrated | Integrated | Integrated | Integrated |
| Output Over Current Protection | Integrated | Integrated | Integrated | Integrated | Integrated |
| Output Short Protection | Integrated | Integrated | Integrated | Integrated | Integrated |
| Output Over Voltage Protection | Integrated | Integrated | Integrated | Integrated | Integrated |
| General Data | | | | | |
| Operating Temperature Range (°C) | -25~60 | -25~60 | -25~60 | -25~60 | -25~60 |
| Relative Humidity | 0~100% | 0~100% | 0~100% | 0~100% | 0~100% |
| Operating Altitude (m) | ≤4000 | ≤4000 | ≤4000 | ≤4000 | ≤4000 |
| Cooling | Natural Convection | | | | |
| User Interface | LCD & LED | LCD & LED | LCD & LED | LCD & LED | LCD & LED |
| Communication | RS485, WiFi*1(optional), LAN(optional) | | | | |
| Weight (kg) | 22.5 | 22.5 | 22.5 | 22.5 | 22.5 |
| Size (Width*Height*Depth mm) | 511*415*175 | 511*415*175 | 511*415*175 | 511*415*175 | 511*415*175 |
| Protection Degree | IP65 | IP65 | IP65 | IP65 | IP65 |
| Night Self Consumption (W) | <1 | <1 | <1 | <1 | <1 |
| Topology | Transformerless | | | | |

*1: Only compatible with 2.4Ghz network.

*: Please visit GoodWe website for the latest certificates.