

SMT Series

25-36kW | 3 MPPTs | Three Phase

The new three MPP-Tracker inverters of the GoodWe SMT Series are ideal for commercial rooftop installations. The SMT product series achieves a higher maximum efficiency of 98.8% and features unique design highlights: solid capacitor, fuse free and optional AFCI function. These three new features ensure a longer life-span and a higher safety level of operation allowing for an improved user experience. With its weight of just 40 kg and compact design, the inverters of the SMT series are easy to handle. With a maximum DC input voltage of 1100V, wider MPPT range, and a start-up voltage of 180V, the SMT series guarantees an earlier generation of power and a longer working time in order to maximize long-term returns and profitability in safe operating conditions.



Fuse Free



Up to 110% AC overloading



98.8% max. Efficiency



String level monitoring



Max. 15A input current per string



Arc-fault circuit interrupter optional

| Technical Data | GW25K-MT | GW29.9K-MT | GW36K-MT |
|---|---|---|---|
| Input | | | |
| Max. Input Power (kW) | 32.5 | 39.0 | 42.9 |
| Max. Input Voltage (V) | 1100 | 1100 | 1100 |
| MPPT Operating Voltage Range (V) | 200 ~ 950 | 200 ~ 950 | 200 ~ 950 |
| Start-up Voltage (V) | 180 | 180 | 180 |
| Nominal Input Voltage (V) | 600 | 600 | 600 |
| Max. Input Current per MPPT (A) | 30 | 30 | 30 |
| Max. Short Circuit Current per MPPT (A) | 37.5 | 37.5 | 37.5 |
| Number of MPP Trackers | 3 | 3 | 3 |
| Number of Strings per MPPT | 2 | 2 | 2 |
| Output | | | |
| Nominal Output Power (kW) | 25.0 | 29.9 | 36.0 ¹ |
| Nominal Output Apparent Power (kVA) | 25.0 | 29.9 | 36.0 ¹ |
| Max. AC Active Power (kW) | 27.5 ² | 29.9 | 36.0 ² |
| Max. AC Apparent Power (kVA) | 27.5 ³ | 29.9 | 36.0 ³ |
| Nominal Output Voltage (V) | 400 ⁴ , 3L / N / PE or 3L / PE | 400, 3L / N / PE or 3L / PE | 400 ⁴ , 3L / N / PE or 3L / PE |
| Output Voltage Range (V) | 320 ~ 460 | 320 ~ 460 | 320 ~ 460 |
| Nominal AC Grid Frequency (Hz) | 50 / 60 | 50 / 60 | 50 / 60 |
| AC Grid Frequency Range (Hz) | | 47.5 ~ 51.5 / 57.0 ~ 61.8 | |
| Max. Output Current (A) | 40.0 | 43.3 | 53.3 |
| Power Factor | | ~1 (Adjustable from 0.8 leading to 0.8 lagging) | |
| Max. Total Harmonic Distortion | <3% | <3% | <3% |
| Efficiency | | | |
| Max. Efficiency | 98.7% | 98.8% | 98.8% |
| European Efficiency | 98.4% | 98.5% | 98.5% |
| Protection | | | |
| PV String Current Monitoring | Integrated | Integrated | Integrated |
| PV Insulation Resistance Detection | Integrated | Integrated | Integrated |
| Residual Current Monitoring | Integrated | Integrated | Integrated |
| PV Reverse Polarity Protection | Integrated | Integrated | Integrated |
| Anti-islanding Protection | Integrated | Integrated | Integrated |
| AC Overcurrent Protection | Integrated | Integrated | Integrated |
| AC Short Circuit Protection | Integrated | Integrated | Integrated |
| AC Overvoltage Protection | Integrated | Integrated | Integrated |
| DC Switch | PV2 (Optional) | PV2 (Optional) | PV2 (Optional) |
| DC Surge Protection | | Type III (Type II Optional) | |
| AC Surge Protection | | Type III (Type II Optional) | |
| AFCI | Optional | Optional | Optional |
| PID Recovery | Optional | Optional | Optional |
| General Data | | | |
| Operating Temperature Range (°C) | -30 ~ +60 | -30 ~ +60 | -30 ~ +60 |
| Relative Humidity | 0 ~ 100% | 0 ~ 100% | 0 ~ 100% |
| Max. Operating Altitude (m) | 3000 | 3000 | 3000 |
| Cooling Method | | Smart Fan Cooling | |
| User Interface | | LED, LCD (Optional), WLAN + APP | |
| Communication | | RS485, Wi-Fi or 4G or PLC (Optional) ⁵ | |
| Communication protocols | | Modbus-RTU (SunSpec Compliant) | |
| Weight (kg) | 40.0 | 40.0 | 40.0 |
| Dimension (W x H x D mm) | 480 x 590 x 200 | 480 x 590 x 200 | 480 x 590 x 200 |
| Topology | Non-isolated | Non-isolated | Non-isolated |
| Self-consumption at Night (W) | <1 | <1 | <1 |
| Ingress Protection Rating | IP65 | IP65 | IP65 |
| DC Connector | MC4 (Max. 6mm ²) | MC4 (Max. 6mm ²) | MC4 (Max. 6mm ²) |
| AC Connector | | OT / DT terminal (Max. 25mm ²) | |
| Country of Manufacture | | China | |

*: All pictures shown are for reference only. Actual appearance may vary.
 *: Optional functions or devices are purchased separately.
 *: Please visit GoodWe website for the latest certificates.
 *1: 33kW for Italy, 36kW for other country.

*2: For Brazil and Chile Max. AC Active Power (kW): GW25K-MT is 25; GW30K-MT is 30; GW36K-MT is 36.
 *3: For Brazil and Chile Max. AC Apparent Power (kVA): GW25K-MT is 25; GW30K-MT is 30; GW36K-MT is 36.
 *4: For Brazil Nominal Output Voltage(V): 220 / 380, 3L / N / PE or 3L / PE.
 *5: For Brazil Communication is RS485, WiFi, USB, PLC (Optional).