



High and reliable energy yield for commercial PV rooftops

- ✓ Maximised energy output
- ✓ Smart and efficient operation
- ✓ Flexible configurations
- ✓ Highest safety standards

Commercial rooftop installations with complex layouts can trust the SMT inverter to facilitate maximum output. With high efficiency levels and up to six MPPT ports, a consistently impressive performance of the PV system is enabled. The inverter is easily transported and installed due to it being compact and lightweight, and can be integrated with GoodWe's Smart Energy Controller SEC1000 for load monitoring and power export limit functionalities.



Increased yield (110% AC power)



Full power up to 45°C



AC and DC Surge Protection Type II



Technical Data	GW25K-MT	GW30K-MT	GW36K-MT	GW50KS-MT	GW60KS-MT
Input					
Max. Input Voltage (V)			1100		
MPPT Operating Voltage Range (V)			200 ~ 950		
Start-up Voltage (V)			180		
Nominal Input Voltage (V)			600		
Max. Input Current per MPPT (A)			30		
Max. Short Circuit Current per MPPT (A)			37.5		
Number of MPP Trackers	3	3	3	5	6
Number of Strings per MPPT			2		
Output					
Nominal Output Power (kW)	25.0	30.0	36.0	50.0	60.0
Nominal Output Apparent Power (kVA)	25.0	30.0	36.0	50.0	60.0
Max. AC Active Power (kW)	27.5	33.0	36.0	55.0	66.0
Max. AC Apparent Power (kVA)	27.5	33.0	36.0	55.0	66.0
Nominal Output Voltage (V)	400, 3L / N / PE or 3L / PE			230 / 400, 3L / N / PE or 3L / PE	
Output Voltage Range (V)			320 ~ 460		
Nominal AC Grid Frequency (Hz)			50 / 60		
AC Grid Frequency Range (Hz)	47.5 ~ 51.5 / 57.0 ~ 61.8			45 ~ 55 / 55 ~ 65	
Max. Output Current (A)	40.0	48.0	53.3	80.0	96.0
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)				
Max. Total Harmonic Distortion	<3%				
Efficiency					
Max. Efficiency	98.7%	98.8%	98.8%	98.6%	98.6%
European Efficiency	98.4%	98.5%	98.5%	98.1%	98.1%
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 II		
AC Surge Protection			Type II		
AFCI			Optional		
Remote Shutdown			Integrated		
PID Recovery			Optional		
General Data					
Operating Temperature Range (°C)			-30 ~ +60		
Relative Humidity			0 ~ 100%		
Max. Operating Altitude (m)			3000		
Cooling Method			Smart Fan Cooling		
User Interface			LED, WLAN + APP		
Communication			RS485, WiFi or 4G (Optional)		
Communication Protocols			Modbus-RTU (SunSpec Compliant)		
Weight (kg)	40	40	40	55	55
Dimension (W x H x D mm)	480 x 590 x 200			520 x 660 x 220	
Topology			Non-isolated		
Self-consumption at Night (W)			<1		
Ingress Protection Rating			IP65		
DC Connector			MC4 (4 ~ 6mm ²)		
AC Connector	OT / DT Terminal (Max. 25mm ²)			OT / DT Terminal (Max. 50mm ²)	

*: Please visit GoodWe website for the latest certificates.