



Smart Control & Monitoring

- · Remote data monitoring
- · Multi-protocol compatibility



Superb Safety & Reliability

- · Type II Surge Protection for both DC and AC
- · IP65 ingress protection



Friendly & Thoughtful Design

- · 200V-950V wide input operating voltage range
- · Fuse-free design



High Power Generation for High Returns

- · Maximum 15A DC input current per string
- · 150% DC input oversizing & 110% AC output overloading



Technical Data	GW50KS-MT	GW60KS-MT	
nput			
Max. Input Power (kW)	75	90	
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	5	6	
Number of Strings per MPPT			
Output			
	F0	CO	
Nominal Output Power (kW)	50	60	
Nominal Output Apparent Power (kVA)	50 55 ⁻¹	60 66 ^{*1}	
Max. AC Appropriat Power (kW)			
Max. AC Apparent Power (kVA)	55 ⁻²	66 ^{*2}	
Nominal Output Voltage (V)	230 / 400 ⁻³ , 3L / I		
Output Voltage Range (V)		320 ~ 460	
Nominal AC Grid Frequency (Hz)	50 / 60		
AC Grid Frequency Range (Hz)	45 ~ 55 / 55 ~ 65		
Max. Output Current (A)	80.0	96.0	
Output Power Factor	~1 (Adjustable from 0.8		
Max. Total Harmonic Distortion	<3	%	
Efficiency			
Max. Efficiency	98.6%		
European Efficiency	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	PV2		
DC Surge Protection	Type II (Type I + II Optional)		
AC Surge Protection	Type II		
AFCI	Optional		
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, LCD (Optional), WLAN + APP		
Communication	RS485, WiFi or 4G or PLC (Optional) ^{*4}		
Communication Protocols	Modbus-RTU (SunSpec Compliant)		
Weight (kg)	55		
Dimension (W × H × D mm)	520 × 660 × 220		
Noise Emission (dB)		<65	
Topology	Non-isolated		
Self-consumption at Night (W)	<1		
Ingress Protection Rating	IP6		
<u> </u>	MC4 (4 ~ 6mm²)		
DC Connector	MC4 (4 -	OT / DT Terminal (Max. 50mm²)	
DC Connector AC Connector			

^{*1:} For Brazil and Chile Max. AC Active Power (kW): GW50KS-MT is 50; GW60KS-MT is 60.
*2: For Brazil and Chile Max. AC Apparent Power (kVA): GW50KS-MT is 50; GW60KS-MT is 60.
*3: For Brazil and Thailand (PEA) Nominal Output Voltage (V): 220 / 380, 3L / N / PE or 3L / PE.
*4: For Brazil Communication is RS485, WiFi, USB, PLC (Optional).
*: Please visit GoodWe website for the latest certificates.
**: Please refer to the user manual for the MPPT Voltage Range at Nominal Power.