



SMT Series

80 kW

Technical Data		GW80K-SMT
Input		
Max. Input Voltage (V)		1100
MPPT Operating Voltage Range (V)		180 ~ 1000
Start-up Voltage (V)		200
Nominal Input Voltage (V)		600
Max. Input Current per MPPT (A)		42
Max. Short Circuit Current per MPPT (A)		52.5
Number of MPP Trackers		6
Number of Strings per MPPT		2
Output		
Nominal Output Power (kW)		80
Nominal Output Apparent Power (kVA)		80
Max. AC Active Power (kW)		88 ^{*1}
Max. AC Apparent Power (kVA)		88 ^{*2}
Nominal Output Voltage (V)		220 / 380, 230 / 400, 3L / N / PE or 3L / PE
Output Voltage Range (V)		323 ~ 457
Nominal AC Grid Frequency (Hz)		50 / 60
AC Grid Frequency Range (Hz)		45 ~ 55 / 55 ~ 65
Max. Output Current (A)		128.0
Power Factor		~1 (Adjustable from 0.8 leading to 0.8 lagging)
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		Integrated
DC Surge Protection		Type II (Type I + II Optional)
AC Surge Protection		Type II
AFCI		Optional
Emergency Power Off		Optional
Rapid Shutdown		Optional
Remote Shutdown		Optional
PID Recovery		Optional
Reactive Power Compensation at Night		Optional
Power Supply at Night		Optional
General Data		
Operating Temperature Range (°C)		-30 ~ +60
Relative Humidity		0 ~ 100%
Max. Operating Altitude (m)		4000
Cooling Method		Smart Fan Cooling
User Interface		LED, LCD (Optional), WLAN + APP
Communication		RS485, WiFi or LAN or 4G
Communication Protocols		Modbus-RTU
Weight (kg)		64
Dimension (W x H x D mm)		700 x 550 x 260
Topology		Non-isolated
Self-consumption at Night (W)		<1
Ingress Protection Rating		IP66
DC Connector		MC4 (4 ~ 6mm ²)
AC Connector		OT / DT terminal (Max. 150mm ²)
Mounting Method		Wall Mounted

*1: For Chile Max. AC Active Power (kW): GW80K-SMT is 80.

*2: For Chile Max. AC Apparent Power (kVA): GW80K-SMT is 80.

*: Please visit GoodWe website for the latest certificates.

** : Please refer to the user manual for the MPPT Voltage Range at Nominal Power.