GOODWE





Smart Control & Monitoring

- · Power export limit
- · 24-hour load consumption monitoring



Superb Safety & Reliability

- · Integrated AFCI & Rapid Shutdown
- · Optional DC Type II SPD & SPD failure alarm



Fully Integrated Design

- · Optimization built-in
- · High quality, robust components



High Power Generation

- · Up to 16A max. DC input current per string
- · Up to 160% DC input oversizing



Technical Data	GW5000-MS-US30	GW6000-MS-US30	GW7600-MS-US30	GW9600-MS-US30	GW11K4-MS-U
Input					
Max.Input Voltage (V)	600	600	600	600	600
MPPT Operating Voltage Range (V)	65 ~ 550	65 ~ 550	65 ~ 550	65 ~ 550	65 ~ 550
Start-up Voltage (V)	80	80	80	80	80
1 0 ()	330 (at 208V)	330 (at 208V)	330 (at 208V)	330 (at 208V)	330 (at 208V
Nominal Input Voltage (V)	380 (at 240V)	380 (at 240V)	380 (at 240V)	380 (at 240V)	380 (at 240V
Max. Input Current per MPPT (A)	16	16	16	16	16
Max. Short Circuit Current per MPPT (A)	23.4	23.4	23.4	23.4	23.4
Number of MPP Trackers	2	2	2	3	3
Number of Strings per MPPT	1	1	1	1	1
Output					
	5000 (at 240V)	6000 (at 240V)	7600 (at 240V)	9600 (at 240V)	11400 (at 240
Nominal Output Power (W)	4333 (at 208V)	5200 (at 208V)	6580 (at 208V)	8320 (at 208V)	9880 (at 208\
Nominal Output Apparent Power (VA)	5000 (at 240V)	6000 (at 240V)	7600 (at 240V)	9600 (at 240V)	11400 (at 240
	4333 (at 208V)	5200 (at 208V)	6580 (at 208V)	8320 (at 208V)	9880 (at 208\
Max. AC Active Power (W)	5000 (at 240V)	6000 (at 240V)	7600 (at 240V)	9600 (at 240V)	11400 (at 240
	4333 (at 208V)	5200 (at 208V)	6580 (at 208V)	8320 (at 208V)	9880 (at 208\
Max. AC Apparent Power (VA)	5000 (at 240V) 4333 (at 208V)	6000 (at 240V) 5200 (at 208V)	7600 (at 240V) 6580 (at 208V)	9600 (at 240V) 8320 (at 208V)	11400 (at 240) 9880 (at 208)
Nominal Output Voltage (V)	240 / 208	240 / 208	240 / 208	240 / 208	240 / 208
Nominal AC Grid Frequency (Hz)	60	60	60	60	60
Max. Output Current (A)	20.8	25.0	31.7	40.0	47.5
Power Factor			able from 0.8 leading to		
Max. Total Harmonic Distortion	<3%	<3%	<3%	<3%	<3%
Efficiency					
Max. Efficiency	97.5%	97.5%	97.5%	97.8%	97.8%
•	96.5% (at 240V)	96.5% (at 240V)	96.5% (at 240V)	97.0% (at 240V)	97.0% (at 240)
CEC Efficiency	96.0% (at 208V)	96.0% (at 208V)	96.5% (at 208V)	96.5% (at 208V)	96.5% (at 208)
Protection					
PV String Current Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
PV Insulation Resistance Detection	Integrated	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
PV Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated
AC Overcurrent Protection	Integrated	Integrated	Integrated	Integrated	Integrated
AC Short Circuit Protection	Integrated	Integrated	Integrated	Integrated	Integrated
AC Overvoltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated
DC Switch	Integrated	Integrated	Integrated	Integrated	Integrated
DC Surge Protection	Type III (Type II Optional)				
AC Surge Protection	Type III (Type II Optional)				
AFCI	Integrated	Integrated	Integrated	Integrated	Integrated
Rapid Shutdown	Integrated	Integrated	Integrated	Integrated	Integrated
General Data					
Operating Temperature Pense	-25 ~ +60 (°C)	-25 ~ +60 (°C)	-25 ~ +60 (°C)	-25 ~ +60 (°C)	-25 ~ +60 (°C
Operating Temperature Range	-13 ~ +140 (°F)	-13 ~ +140 (°F)	-13 ~ +140 (°F)	-13 ~ +140 (°F)	-13 ~ +140 (°I
Relative Humidity	0 ~ 95%	0 ~ 95%	0 ~ 95%	0 ~ 95%	0 ~ 95%
Max. Operating Altitude	3000 (m) 9842 (ft)	3000 (m) 9842 (ft)	3000 (m) 9842 (ft)	3000 (m) 9842 (ft)	3000 (m) 9842 (ft)
Cooling Method	Natural Convection	Natural Convection	Natural Convection	Natural Convection	Natural Convec
User Interface	LED, WLAN + APP	LED, WLAN + APP	LED, WLAN + APP	LED, WLAN + APP	LED, WLAN + A
Communication	, **L/11 * 1 / 11 1				LLD, VILINATA
Communication Protocols	RS485, WiFi or Bluetooth or 4G or LAN (Optional) Modbus-RTU (SunSpec Compliant)				
	23.0 (kg)	23.0 (kg)	23.0 (kg)	25.0 (kg)	25.0 (kg)
Weight	51.8 (lb)	51.8 (lb)	51.8 (lb)	55.1 (lb)	55.1 (lb)
Dimension (W \times H \times D)	487 × 670 × 199 (mm) 19.2 × 26.4 × 7.8 (in)				
Noise Emission (dB)	<25	<25	19.2 x 20.4 x 7.8 (III) <25	<35	<35
Topology	Non-isolated	Non-isolated	Non-isolated	Non-isolated	Non-isolated
Self-consumption at Night (W)	<5	<5	<5	<5	<5

^{*:} Please visit GoodWe website for the latest certificates.