



Smart Control & Monitoring

- · 24/7 load consumption monitoring*
- · Multiple communication protocols supported



Optimal Generation

- · Max. 16A input current per string
- · 150% DC input oversizing & 110% AC output overloading



Superb Safety & Reliability

- · Optional AFCI preventing electrical fires*
- · Optional AC & DC Type II SPD & SPD failure alarm*



Friendly & Thoughtful Design

- · IP66 ingress protection
- · Low noise level thanks to fanless cooling



Input					
Max. Input Voltage (V)			600		
MPPT Operating Voltage Range (V)					
	40 ~ 560				
Start-up Voltage (V)	50				
Nominal Input Voltage (V)	360				
Max. Input Current per MPPT (A)	16				
Max. Short Circuit Current per MPPT (A)	23				
Number of MPP Trackers	2				
Number of Strings per MPPT			1		
Output					
Nominal Output Power (W)	3000	3600	4200 ^{*1}	5000	6000
Nominal Output Apparent Power (VA)	3000	3600	4200 ^{*1}	5000	6000
Max. AC Active Power (W)*4*5	3300	3960 ^{*2}	4620*1*2	5500	6600
Max. AC Apparent Power (VA)*4*5	3300	3960*²	4620*1*2	5500	6600
Nominal Output Voltage (V)			220 / 230 / 240		
Output Voltage Range (V)	196 ~ 311				
Nominal AC Grid Frequency (Hz)	50 / 60				
AC Grid Frequency Range (Hz)	45 ~ 55 / 55 ~ 65				
Max. Output Current (A)	14.4	17.3 ^{*2}	20.1*2	24.0	28.8
Power Factor		~1 (Adjusta	able from 0.8 leading to	0.8 lagging)	
Max. Total Harmonic Distortion			<3%		
Efficiency					
Max. Efficiency			97.9%		
European Efficiency	97.0%	97.0%	97.2%	97.3%	97.4%
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 III (Type II Optional)				
AC Surge Protection	Type III (Type II Optional)				
AFCI	Optional				
Emergency Power Off	Optional				
Remote Shutdown	Optional				
Power Supply at Night	Optional				
General Data					
Operating Temperature Range (°C)			-25 ~ +60		
Relative Humidity	0 ~ 100%				
Max. Operating Altitude (m)*3	4000				
Cooling Method	Natural Convection				
Display	LED, LCD (Optional), WLAN + APP				
Communication			or 4G or DI (Ripple Con		
Communication Communication Protocols			ous-RTU (SunSpec Con	/ \ /	
	12.8	12.8	12.8	12.8	13.4
Weight (kg) Dimension (W × H × D mm)	12.8 12.8 12.8 12.8 13.4 13.4 143				
Noise Emission (dB)			<25		
· /					
Topology Self-consumption at Night (W)			Non-isolated		
1 0 1 7			<1		
Ingress Protection Rating DC Connector	IP66				
	MC4 (4 ~ 6mm²) Plug and play connector (Max. 6mm²)				

^{*:} 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:} For Malaysia GW4200-DNS-30 Nominal Output Power (W) and Nominal Output Apparent Power (VA) and Max. AC Active Power (W) and Max. AC Apparent Power (VA) is 4000.

^{*2:} For Netherland Max. AC Active Power (W) and Max. AC Apparent Power (VA) GW3600-DNS-30 is 3600, GW4200-DNS-30 is 4200; Max. Output Current (A) and Nominal Output Current (A) GW3600-DNS-30 is 15.7, GW4200-DNS-30 is 18.3.

^{*3:} For Australia Max. Operating Altitude (m) GW3000-DNS-30, GW3600-DNS-30, GW4200-DNS-30, GW5000-DNS-30 is 3000.

*4: For Chile Max. AC Active Power (W) & Max.Output Apparent Power(VA) GW3000-DNS-30 is 3000, GW3600-DNS-30 is 3600, GW4200-DNS-30 is 4200, GW5000-DNS-30 is 5000, GW6000-DNS-30 is 4200, GW5000-DNS-30 is 5000, GW6000-DNS-30 is 4200, GW5000-DNS-30 is 5000, GW6000-DNS-30 is 5000, GW6000-DNS-30 is 4200, GW5000-DNS-30 is 5000, GW6000-DNS-30 is 5000, GW600-DNS-30 is 5000, GW6000-DNS-30 is 5000, GW6000-DNS-30 is 5000, GW600-DNS-30 is 5000, GW600-DNS-30 is 5000, DNS-30 is 6000.

^{5:} For Braizil Max. AC Active Power: GW3000-DNS-30 is 3000, GW3600-DNS-30 is 3600, GW4200-DNS-30 is 4200, GW5000-DNS-30 is 5000, GW6000-DNS-30 is 6000, Max. AC Apparent Power (VA): GW5000-DNS-30 is 5300,GW6000-DNS-30 is 6300.

*: For Australia Nominal Output Current (A) GW3000-DNS-30 is 14.4, GW3600-DNS-30 is 17.3, GW4200-DNS-30 is 20.1, GW5000-DNS-30 is 24.0, GW6000-DNS-30 is 28.8. For Belgium

Nominal Output Current (Á) GW3000-DNS-30 is 13.0, GW3600-DNS-30 is 15.7, GW4200-DNS-30 is 18.3, GW5000-DNS-30 is 21.7, GW6000-DNS-30 is 26.1.