



Smart Control & Monitoring

- · 24/7 load consumption monitoring¹
- · 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 fires¹
- · Optional AC & DC Type II SPD & SPD failure alarm¹



Friendly & Thoughtful Design

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



Input					
•			600		
Max. Input Voltage (V)*7			600		
MPPT Operating Voltage Range (V)*8			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 Number of Strings per MPPT			2 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)*2	3300	3960*4*6	4620*1*4	5500	6600
Max. AC Apparent Power (VA)*2	3300	3960*4*6	4620*1*4	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 ^{*4*5}	20.1*4	24.0	28.8
Power Factor	~1 (Adjustable 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					
			-25 ~ +60		
Operating Temperature Range (°C) Relative Humidity			0 ~ 100%		
Max. Operating Altitude (m) ³			4000		
Cooling Method			Natural Convection		
Display		IED		, ADD	
Display Communication	LED, LCD (Optional), WLAN + APP WiFi, RS485 or LAN or 4G				
Communication Communication Protocols	<u> </u>		MIFI, HS485 OF LAIN OF 4 Iodbus RTU, Modbus T		
	40.0		12.8		10.4
Weight (kg) Dimension (W × H × D mm)	12.8	12.8		12.8	13.4
,			350 × 410 × 143		
Noise Emission (dB)	<25				
Topology	Non-isolated 1				
Self-consumption at Night (W)			<1		
Ingress Protection Rating	IP66				
DC Connector	MC4 (4 ~ 6mm²)				
	Plug and play connector (May Conne)				

^{*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-

Plug and play connector (Max. 6mm²)

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, GW3600-DNS-30, GW4200-DNS-30, GW3600-DNS-30, GW4200-DNS-30, GW3600-DNS-30, GW4200-DNS-30, GW3600-DNS-30, GW4200-DNS-30, GW3600-DNS-30, GW4200-DNS-30, GW3600-DNS-30, GW3600-DNS-30, GW4200-DNS-30, GW3600-DNS-30, GW3600-DNS-30, GW4200-DNS-30, GW3600-DNS-30, GW3600-DNS-30,

DNS-30, GW5000-DNS-30, GW6000-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 6000. For Braizii 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 5000, GW6000-DNS-30 is 5000-DNS-30 is 5000-DN DNS-30 is 6300.

^{*5:} For England Max. Output Current (A) & Nominal Output Current (A) GW3600-DNS-30 is 16A.
*6: For England Max. AC Active Power (W) & Max. AC Apparent Power (VA) GW3600-DNS-30 is 3600.
*7: When the input voltage ranges from 560V to 600V, the inverter will enter the standby state.

When the input voltage returns to the MPPT operating voltage range of 40V to 560V, the

inverter will resume normal operating state.
*8: Please refer to the user manual for the MPPT Voltage Range at Nominal Power.

^{*:} All pictures shown are for reference only. Actual appearance may vary.

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