



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



Technical Data	GW3000-DNS-30	GW3600-DNS-30	GW4200-DNS-30	GW5000-DNS-30	GW6000-DN
Input					
Max.Input Power (W)	4500	5400	6300	7500	9000
Max. Input Voltage (V)*2			600		
MPPT Operating Voltage Range (V)*3			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				
PV Input Operating Voltage Range	40 ~ 600				
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)	3300	3960	4620 ^{*1}	5500	6600
Max. AC Apparent Power (VA)	3300	3960	4620 ^{*1}	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				
	13.7 @220V	16.4 @220V	19.1 @220V	22.8 @220V	27.3 @220\
Rated Output Current (A)	13.1 @230V	15.7 @230V	18.3 @230V	21.7 @230V	26.1 @230\
	12.5 @240V	15.0 @240V	17.5 @240V	20.8 @240V	25.0 @240\
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				
Power Supply at Night			Optional		
General Data					
Operating Temperature Range (°C)	-25 ~ +60				
Relative Humidity	0 ~ 100%				
Max. Operating Altitude (m)	3000				
Cooling Method	Natural Convection				
User Interface	LED, LCD (Optional), WLAN + APP				
Communication	WiFi, RS485 or LAN or 4G				
O-management - Atlanta Durata - Ala			lodbus RTU, Modbus		
	12.8	12.8	12.8	12.8	13.4
Weight (kg)	12.0		$350 \times 410 \times 143$		
Communication Protocols Weight (kg) Dimension (W × H × D mm)	12.0				
Weight (kg) Dimension (W × H × D mm) Noise Emission (dB)	12.0		<25		
Weight (kg) Dimension (W × H × D mm) Noise Emission (dB) Topology	16.0		<25 Non-isolated		
Weight (kg) Dimension (W × H × D mm) Noise Emission (dB) Topology Self-consumption at Night (W)	12.0		<25 Non-isolated <1		
Weight (kg) Dimension (W × H × D mm) Noise Emission (dB) Topology Self-consumption at Night (W) Ingress Protection Rating	12.0		<25 Non-isolated <1 IP66		
Weight (kg) Dimension (W × H × D mm) Noise Emission (dB) Topology Self-consumption at Night (W)	12.0		<25 Non-isolated <1	2 2	

^{*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: 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.

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

*1: Nominal voltage for AU is 230V and frequency is 50Hz.

*2: All pictures shown are for reference only. Actual appearance may vary.

*3: Please visit GoodWe website for the latest certificates.