



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-3	0 GW4200-DNS-30	GW5000-DNS-30	GW6000-D
Input					
Max.Input Power (W)	4500	5400	6300	7500	9000
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		
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)	0000	0000	220 / 230 / 240	0000	
Output Voltage Range (V)			196 ~ 311		
Nominal AC Grid Frequency (Hz)			50 / 60		
AC Grid Frequency Range (Hz)		,	45 ~ 55 / 55 ~ 65		
Max / Rated Output Current (A)	14.4	17.3	20.1	24.0	28.8
Power Factor			able from 0.8 leading to		20.0
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 Integrated		
PV Reverse Polarity Protection			Integrated		
Anti-islanding Protection					
AC Overcurrent Protection			Integrated		
AC Short Circuit Protection			Integrated		
AC Overvoltage Protection			Integrated Integrated		
DC Switch	Integrated				
DC Switch DC Surge Protection	Type III (Type II Optional)				
AC Surge Protection	Type III (Type II Optional)				
AC Surge Protection AFCI	Type II (Type II Optional) Optional				
Power Supply at Night			Optional		
117			Ориона		
General Data			05 .00		
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 or DI (Ripple Control or DRM) (Optional) Modbus-RTU (SunSpec Compliant)				
Communication Protocols	40.0				10.4
Weight (kg)	12.8	12.8	12.8	12.8	13.4
Dimension (W x H x D mm)			350 × 410 × 143		
Noise Emission (dB)	<25				
Topology			Non-isolated		
Self-consumption at Night (W)	<1				
Ingress Protection Rating	IP66				
DC Connector	MC4 (4 ~ 6mm²)				
AC Connector			ind play connector (Max		

^{*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.

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

*: Please visit GoodWe website for the latest certificates.

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