



DNS G4 Series

3-6 kW

Technical Data		GW3K-DNS-G40	GW3.6K-DNS-G40	GW4.2K-DNS-G40	GW5K-DNS-G40	GW6K-DNS-G40
Input						
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)		20				
Max. Short Circuit Current per MPPT (A)		26				
Number of MPP Trackers		2				
Number of Strings per MPPT		1				
Output						
Nominal Output Power (W)	3000	3600	4200	5000	6000	
Nominal Output Apparent Power (VA)	3000	3600	4200	5000	6000	
Max. AC Active Power (W)	3000	3600	4200	5000	6000	
Max. AC Apparent Power (VA)	3000	3600	4200	5000	6000	
Nominal Output Voltage (V)		220 / 230 / 240, L / N / PE				
Output Voltage Range (V)		196 ~ 311 (according to local standard)				
Nominal AC Grid Frequency (Hz)		50 / 60				
AC Grid Frequency Range (Hz)		45 ~ 55 / 55 ~ 65				
Max. Output Current (A)	13.7	16.4 ¹	19.1	22.8	27.3	
Power Factor		~1 (Adjustable from 0.8 leading to 0.8 lagging)				
Max. Total Harmonic Distortion		<3%				
Efficiency						
Max. Efficiency		98.1%				
European Efficiency	97.2%	97.2%	97.3%	97.4%	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 (PV II Optional)				
DC Surge Protection		Type II				
AC Surge Protection		Type II				
AFCI		Optional				
Emergency Power Off		Optional				
Rapid Shutdown		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)		<4000				
Cooling Method		Natural Convection				
User Interface		LED + LCD / WiFi + APP / Bluetooth + APP				
Communication		RS485, WIFI, LAN, Bluetooth, 4G				
Communication Protocols		Modbus, Sunspec				
Weight (kg)		9.2				
Dimension (W x H x D mm)		358 x 323 x 165				
Noise Emission (dB)		25				
Topology		Non-isolated				
Self-consumption at Night (W)		<1				
Ingress Protection Rating		IP66				
DC Connector		MC4 (4 ~ 6mm ²)				
AC Connector		Plug and play connector (Max. 6mm ²)				

*1: About GW3.6K-DNS-G40 for the UK market, both nominal output current and max. output current are 16A.

*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.

*: Please visit GoodWe website for the latest certificates.

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