

# ON

## TURN ON YOUR

CREATE A NEW ERA OF SMART ENERGY

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GoodWe Goodium series PV Inverter (Model: GGI) is subject to change without notice during product improving.

Smart Photovoltaic  
Inverter Series

# GGI

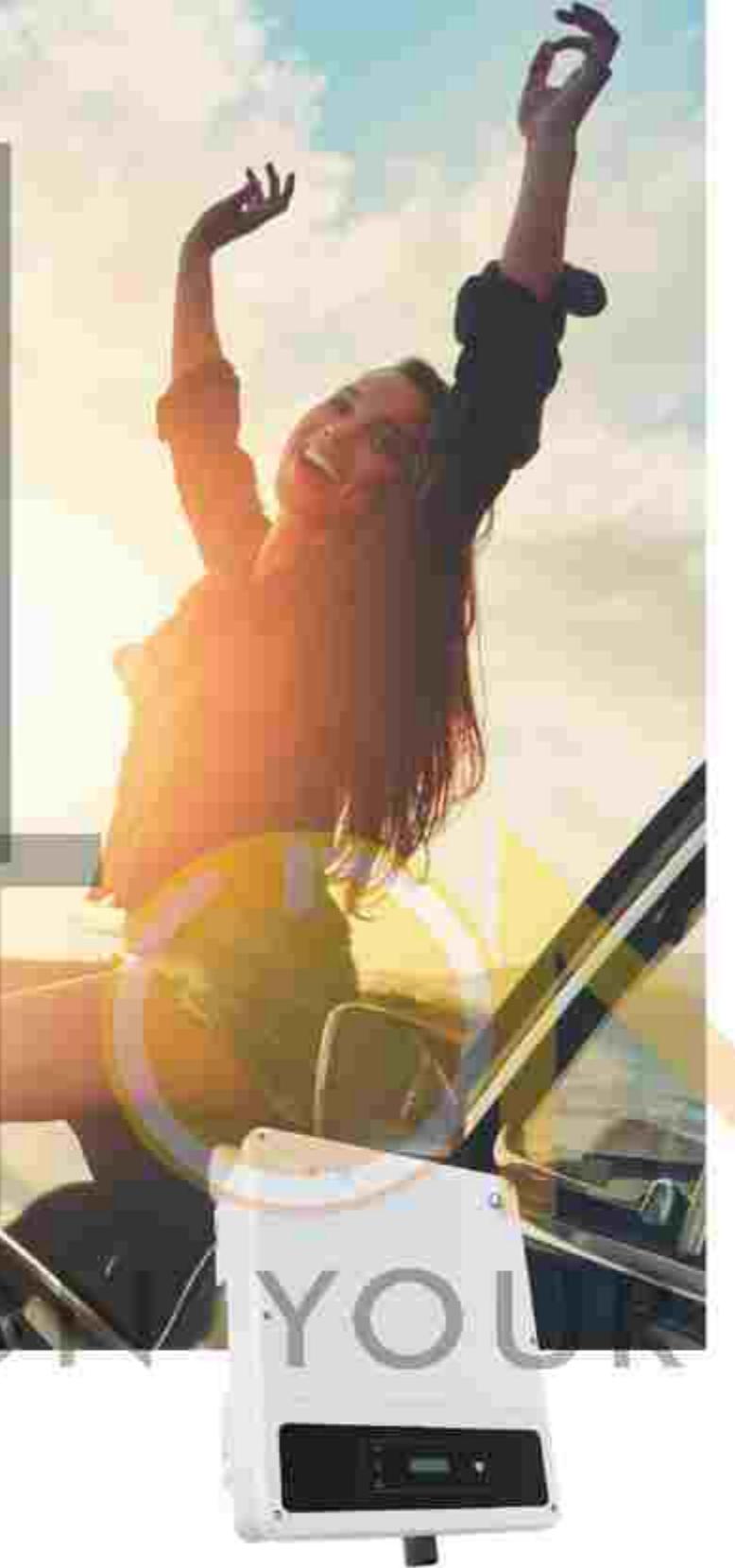
## SOLAR ENERGY



# DNS Series

## 3-6kW | 2 MPPT | Single Phase

GoodWe DNS series is a perfect match for residential installations thanks to its compact size and light weight. Manufactured for durability and longevity under modern industrial standards, GoodWe DNS series is IP65 rated so it can be mounted either inside or outside your home. With a low start-up voltage of only 80V and the widest MPPT voltage range of 80-550V, these inverters can provide greater options for your household system. The GoodWe DNS series is also extremely light, 30% lighter than other inverters.



FOR YOUR



Start-up voltage @80V



Wide range of MPPT voltage



Small, light weight and easy to install



Fanless and noiseless



Built-in anti-reverse function

Technical Data	GW3000D-NS	GW3600D-NS	GW4200D-NS	GW5000D-NS	GW6000D-NS
<b>PV String Input Data</b>					
Max. Input Power (W)	3000	4800	5400	6600	7200
Max. Input Voltage (V)	600	600	600	600	600
MPPT Range (V)	80-550	80-550	80-550	80-550	80-550
Start-up Voltage (V)	80	80	80	80	80
Nominal Input Voltage (V)	360	360	360	360	360
Max. Input Current per MPPT (A)	11 / 11	11 / 11	11 / 11	11 / 11	11 / 11
Max. Short Circuit Current per MPPT (A)	13.8 / 13.8	13.8 / 13.8	13.8 / 13.8	13.8 / 13.8	13.8 / 13.8
Number of MPPT	2	2	2	2	2
Number of Strings per MPPT	1	1	1	1	1
<b>AC Output Data</b>					
Normal Output Power (W)	3000 <sup>1</sup>	3600 <sup>1</sup>	4200 <sup>1</sup>	5000 <sup>1</sup>	6000 <sup>1</sup>
Max. AC Apparent Power (VA)	3000	3600	4200	5000	6000
Nominal Output Voltage (V)	220 / 230	220 / 230	220 / 230	220 / 230	220 / 230
Nominal AC Grid Frequency (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
Max. Output Current (A)	19.8	16	19	22.5	27.3
Output Power Factor	-1 (Adjustable from -0.95 to 0.95 lagging)				
Max Total Harmonic Distortion	<3%	<3%	<3%	<3%	<3%
<b>Efficiency</b>					
Max Efficiency	97.6%	97.8%	97.9%	97.9%	97.9%
European Efficiency	97.5%	97.5%	97.5%	97.5%	97.5%
<b>Protection</b>					
Anti-Sparking Protection	Integrated	Integrated	Integrated	Integrated	Integrated
DC Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring Point	Integrated	Integrated	Integrated	Integrated	Integrated
AC Over Current Protection	Integrated	Integrated	Integrated	Integrated	Integrated
AC Short Protection	Integrated	Integrated	Integrated	Integrated	Integrated
AC Over Voltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated
DC Surge Arrester			Type II		
AC Surge Arrester			Type III		
<b>General Data</b>					
Operating Temperature Range (°C)	-25-60	-25-60	-25-60	-25-60	-25-60
Relative Humidity	0-100%	0-100%	0-100%	0-100%	0-100%
Operating Altitude (m)	≤4000	≤4000	≤4000	≤4000	≤4000
Cooling Method			Natural Convection		
Display			LCD / LED (Wi-Fi / Bluetooth + APP)		
Communication			RS485 / WiFi / LAN		
Weight (Kg)	13	15	15	15	15.5
Size (Width x Height x Depth mm)	364 x 433 x 147	364 x 433 x 147	554 x 433 x 147	354 x 433 x 147	354 x 433 x 147
Ingress Protection Rating	IP65	IP65	IP65	IP65	IP65
Light Power Consumption (W)	<1	<1	<1	<1	<1
Topology			Transformerless		

<sup>1</sup> For CE/UL Nominal Output Power GW3000D-NS > 2700, GW3600D-NS > 3300, GW4200D-NS > 3800, GW5000D-NS > 4500, GW6000D-NS > 5200

Please visit GoodWe website for the latest certificates.