![GOODWE - YOUR SOLAR ENGINE]

DNS Series

3-6kW I 2 MPPTs I 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.

- Start-up voltage @80V
- Wide range of MPPT voltage
- Fanless and noiseless
- Small, light weight and easy to install
- Built-in anti-reverse function

DNS Series
Dual MPPT, Single Phase

Technical Data	GW3000D-NS	GW3600D-NS	GW4200D-NS	GW5000D-NS	GW3000T-DS	GW3600T-DS	GW4200T-DS	GW5000T-DS
PV String Input Data								
Max.Input Power (W)	3900[*1]	4680[*1]	5460[*1]	6500[*1]	3900[*1]	4680[*1]	5460[*1]	6500[*1]
Max.Input Voltage (V)	600	600	600	600	600	600	600	600
MPPT Operating Voltage Range (V)	80~550	80~550	80~550	80~550	80~550	80~550	80~550	80~550
Start-up Voltage (V)	80	80	80	80	80	80	80	80
Nominal Input Voltage (V)	360	360	360	360	360	360	360	360
Max. Input Current per MPPT (A)	11 / 11	11 / 11	11 / 11	11 / 11	13 / 13	13 / 13	13 / 13	13 / 13
Max. Short Circuit Current per MPPT (A)	13.8 / 13.8	13.8 / 13.8	13.8 / 13.8	13.8 / 13.8	16.3 / 16.3	16.3 / 16.3	16.3 / 16.3	16.3 / 16.3
Number of MPPT	2	2	2	2	2	2	2	2
Number of Strings per MPPT	1	1	1	1	1	1	1	1
AC Output Data								
Nominal Output Power (W)	3000[*2]	3680[*2]	4200[*2]	5000[*2*3]	3000[*2]	3680[*2]	4200[*2]	5000[*2]
Nominal Output Apparent Power (VA)	3000	3680	4200	5000[*4]	3000	3680	4200	5000
Max. AC Apparent Power (VA)	3000	3680	4200	5000	3000	3680	4200	5000
Nominal Output Voltage (V)	220 / 230	220 / 230	220 / 230	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	50 / 60	50 / 60	50 / 60
Max. Output Current (A)	13.6	16	19	22.8	13.6	16	19	22.8
Nominal Output Current (A)	13.6 / 13	16 / 15.6	19 / 18.2	22.8 / 21.7	13.6 / 13	16 / 15.6	19 / 18.2	22.8 / 21.7
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)							
Max. Total Harmonic Distortion	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%
Efficiency								
Max. Efficiency	97.8%	97.8%	97.8%	97.8%	97.8%	97.8%	97.8%	97.8%
European Efficiency	97.5%	97.5%	97.5%	97.5%	97.5%	97.5%	97.5%	97.5%
Protection								
Anti-Islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Overcurrent Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Short Circuit Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Overvoltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Surge Arrester	Type III				Type III (Type II Optional)			
AC Surge Arrester	Type III							
General Data								
Operating Temperature Range (°C)	-25~60	-25~60	-25~60	-25~60	-25~60	-25~60	-25~60	-25~60
Relative Humidity	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%
Max. Operating Altitude (m)	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000
Cooling Method	Natural Convection							
Display	LED / LCD / WiFi+APP				LED / LCD / WiFi+APP / Bluetooth+APP			
Communication	RS485 / WiFi / LAN				RS485 / WiFi / 4G / 2G / LAN			
Weight (Kg)	13	13	13	13	13	13	13	13
Dimension (W × H × Dmm)	354 × 433 × 147	354 × 433 × 147	354 × 433 × 147	354 × 433 × 147	354 × 433 × 147	354 × 433 × 147	354 × 433 × 147	354 × 433 × 147
Ingress Protection Rating	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65
Night Power Consumption (W)	<1	<1	<1	<1	<1	<1	<1	<1
Topology	Transformerless							
Country of Manufacture	China							

*1: For Australia/nNew Zealand Max.Input Power (W) GW3000D-NS or GW3000T-DS is 4000, GW3600D-NS or GW3600T-DS is 4680, GW4200D-NS or GW4200T-DS is 5600, GW5000D-NS or GW5000T-DS is 6667.
*2: For CEI 0-21 Nominal Output Power GW3000T-DS or GW3000D-NS is 2700, GW3600T-DS or GW3600D-NS is 3350, GW4200T-DS or GW4200D-NS is 3800, GW5000T-DS is 4540.
*3: For Australia/New Zealand Nominal Output Power (W) GW5000D-NS is 4999.
*4: For Australia/nNew Zealand Nominal Output Apparent Power (VA) GW5000D-NS is 4999.
*: Please visit GoodWe website for the latest certificates.