GOODWE

DNS Series

3-6kW I Single Phase I 2 MPPTs

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.



- 80V Start-up Voltage
- Wide Range of Mppt Voltage
- Fanless and Noiseless
- Small, Light weight & Easy to install
- Export control
- Flexible communication methods

DNS Series

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Technical Data	GW3000D-NS	GW3600D-NS	GW4200D-NS	GW5000D-NS	GW6000D-NS	GW3000T-DS	GW3600T-DS	GW4200T-DS	GW5000T-DS	GW6000T-DS
Input										
Max.Input Voltage (V)	600									
MPPT Operating Voltage Range (V)	80 ~ 550									
Start-up Voltage (V)	80									
Nominal Input Voltage (V)	360									
Max. Input Current per MPPT (A)	11	11	11	11	11	13	13	13	13	13
Max. Short Circuit Current per MPPT (A)	13.8	13.8	13.8	13.8	13.8	16.3	16.3	16.3	16.3	16.3
Number of MPP Trackers	2									
Number of Strings per MPPT	1									
Output										
Nominal Output Power (W)*1	3000	3680	4200	5000	6000	3000	3680	4200	5000	6000
Nominal Output Apparent Power (VA)	3000	3680	4200	5000	6000	3000	3680	4200	5000	6000
Max. AC Active Power (W)	3000	3680	4200	5000	6000	3000	3680	4200	5000	6000
Max. AC Apparent Power (VA)	3000	3680	4200	5000	6000	3000	3680	4200	5000	6000
Nominal Output Voltage (V)	220 / 230									
Nominal AC Grid Frequency (Hz)	50 / 60									
Max. Output Current (A)	13.6	16.0	19.0	22.8	27.3	13.6	16.0	19.0	22.8	27.3
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)									
Max. Total Harmonic Distortion	<3%									
Efficiency										
Max. Efficiency	97.8%									
European Efficiency	97.5%									
Protection										
PV String Current Monitoring	-	-	-	-	-	Integrated	Integrated	Integrated	Integrated	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	Optional									
DC Surge Protection	Type III	Type III	Type III	Type III	Type III	Type III(Type II Optional)				
AC Surge Protection	Type III									
AFCI	-	-	-	-	-	Optional	Optional	Optional	Optional	Optional
Remote Shutdown	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, WLAN + APP									
Communication	WiFi, RS485 or 4G or 2G or LAN (Optional)									
Weight (kg)	13.0	13.0	13.0	13.0	13.5	13.0	13.0	13.0	13.0	13.5
Dimension (W × H × D mm)	354 × 433 × 147									
Noise Emission (dB)	<25	<25	<25	<25	<50	<25	<25	<25	<25	<50
Topology	Non-isolated									
Self-consumption at Night (W)	<1									
Ingress Protection Rating	IP65									
DC Connector	MC4									
AC Connector	Plug and play connector									

*1: 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 or GW5000D-NS is 4540, GW6000T-DS or GW6000D-NS is 5450.
*: Please visit GoodWe website for the latest certificates.

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