

DNS Series

Dual-MPPT, Single-Phase



Technical Data	GW3000D-NS	GW3600D-NS	GW4200D-NS	GW5000D-NS	GW6000D-NS
PV String Input Data					
Max. Input Power (W)	3900	4680	5460	6500	7200
Max. Input Voltage (V)	600	600	600	600	600
MPPT Operating Voltage 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
AC Output Data					
Nominal Output Power (W)	3000*1	3680*1	4200*1	5000*1	6000*1
Max. AC Apparent Power (VA)	3000	3680	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)	13.6	16	19	22.8	27.3
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)				
Max. Total Harmonic Distortion	<3%	<3%	<3%	<3%	<3%
Efficiency					
Max. Efficiency	97.8%	97.8%	97.8%	97.8%	97.8%
European Efficiency	97.5%	97.5%	97.5%	97.5%	97.5%
Protection					
Anti-Islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated
DC Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring Unit	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 III				
AC Surge Arrester	Type III				
General Data					
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	LED / LCD / WiFi+APP	LED / LCD / WiFi+APP	LED / LCD / WiFi+APP	LED / LCD / WiFi+APP	LED / LCD / WiFi+APP
Communication	RS485 / WiFi / LAN	RS485 / WiFi / LAN	RS485 / WiFi / LAN	RS485 / WiFi / LAN	RS485 / WiFi / LAN
Weight (Kg)	13	13	13	13	13.5
Dimension (W×H×Dmm)	354×433×147	354×433×147	354×433×147	354×433×147	354×433×147
Ingress Protection Rating	IP65	IP65	IP65	IP65	IP65
Night Power Consumption (W)	<1	<1	<1	<1	<1
Topology	Transformerless				

*1: For CEI 0-21 Nominal Output Power GW3000D-NS is 2700, GW3600D-NS is 3350, GW4200D-NS is 3800, GW5000D-NS is 4540, GW6000D-NS is 5450.

*: Please visit GoodWe website for the latest certificates.



Color Options