

DNS Series

Dual MPPT, Single Phase



Technical Data	GW3000D-NS	GW3600D-NS	GW4200D-NS	GW5000D-NS	GW6000D-NS	GW3000T-DS	GW4200T-DS	GW5000T-DS
PV String Input Data								
Max. Input Power (W)	4000	4800	5600	6667	8000	4000	5600	6667
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	11/11	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	13.8/13.8	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	3680	4200	5000	6000	3000	4200	5000
Max. AC Apparent Power (VA)	3000	3680	4200	5000	6000	3000	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	27.3	13.6	19	22.8
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 Over Current Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Short Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Over Voltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Surge Arrester	Type III					Type III (Type II Optional)		
AC Surge Arrester	Type III							
DC Arc Fault Circuit Interrupter	-	-	-	-	-	Optional	Optional	Optional
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%
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	13.5	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							

*: Please visit GoodWe website for the latest certificates.