

DNS Series

Dual MPPT, Single Phase



Technical Data	GW3000D-NS	GW4200D-NS	GW5000D-NS	GW3000T-DS	GW4200T-DS	GW5000T-DS	GW6000T-DS
PV String Input Data							
Max. Input Power (W)	4000	5600	6667	4000	5600	6667	7200
Max. Input Voltage (V)	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
Start-up Voltage (V)	80	80	80	80	80	80	80
Nominal Input Voltage (V)	360	360	360	360	360	360	360
Max. Input Current per MPPT (A)	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	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
Number of Strings per MPPT	1	1	1	1	1	1	1
AC Output Data							
Nominal Output Power (W)	3000	4200	5000	3000	4200	5000	6000
Max. AC Apparent Power (VA)	3000	4200	5000	3000	4200	5000	6000
Nominal Output Voltage (V)	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
Max. Output Current (A)	13.6	19	22.8	13.6	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%	<3%	<3%
Efficiency							
Max. Efficiency	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%
Protection							
Anti-Islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Over Current Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Short Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Over Voltage Protection	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	Optional
General Data							
Operating Temperature Range (°C)	-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%
Operating Altitude (m)	≤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	13.5
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
Ingress Protection Rating	IP65	IP65	IP65	IP65	IP65	IP65	IP65
Night Power Consumption (W)	<1	<1	<1	<1	<1	<1	<1
Topology	Transformerless						

*: Please visit GoodWe website for the latest certificates.