

Device (SPD) on both sides to protect the system from electrical fire and lightning hazards in extreme environments,



for guaranteed safety.

Smart Control & Monitoring

24/7 load consumption monitoring Multiple communication protocols supported



Superb Safety & Reliability

Optional AFCI preventing electrical fires Optional AC & DC Type II SPD & SPD failure alarm



Optimal Generation

Max. 16 A input current per string 150% DC input oversizing & 110% AC output overloading

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Friendly & Thoughtful Design

IP66 ingress protection Low noise level thanks to fanless cooling

DNS G3-Series



Technical Data	GW3000-DNS-30	GW3600-DNS-30	GW4200-DNS-30	GW5000-DNS-30	GW6000-DNS-
Input					
Max. Input Voltage (V)	600	600	600	600	600
MPPT Operating Voltage Range (V)	40~560	40~560	40~560	40~560	40~560
Start-up Voltage (V)	50	50	50	50	50
Nominal Input Voltage (V)	360	360	360	360	360
Max. Input Current per MPPT (A)	16	16	16	16	16
Max. Short Circuit Current per MPPT (A)	23	23	23	23	23
Number of MPP Trackers	2	2	2	2	2
Number of Strings per MPPT	1	1	1	1	1
Output					
Nominal Output Power (W)	3000	3600	4200	5000	6,000
Nominal Output Apparent Power (VA)	3000	3600	4200	5000	6,000
Max. AC Active Power (W)	3300	3960	4620	5500	6,600
Max. AC Apparent Power (VA)	3300	3960	4620	5500	6,600
Nominal Output Voltage (V)	220/230/240	220/230/240	220/230/240	220/230/240	220/230/240
Nominal AC Grid Frequency (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50/60
Max. Output Current (A)	14.4	17.3	20.1	24	28.8
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)				
Max. Total Harmonic Distortion	~ 1 (Adjustable from 0.6 leading to 0.6 tagging) <3%				
Efficiency	ZO 70		2070		
•	07.00/	07.00/	07.00/	07.00/	07.00/
Max. Efficiency European Efficiency	97.9% 97.0%	97.9%	97.9% 97.2%	97.9%	97.9% 97.4%
	97.0%	97.0%	91.2%	97.3%	97.4%
Protection					
PV String Current Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
PV Insulation Resistance Detection	Integrated	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
PV Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated
AC Overcurrent Protection	Integrated	Integrated	Integrated	Integrated	Integrated
AC Short Circuit Protection	Integrated	Integrated	Integrated	Integrated	Integrated
AC Overvoltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated
DC Switch	Integrated	Integrated	Integrated	Integrated	Integrated
DC Surge Protection	Type III (Type II Optional)				
AC Surge Protection			ype III (Type II Option	•	
AFCI	Optional	Optional	Optional	Optional	Optional
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%
Max. Operating Altitude (m)	3000	3000	3000	3000	3000
Cooling Method	Natural Convection				
Display	LED, LCD (Optional) , WLAN+APP				
Communication	RS485 or WiFi or 4G or 2G or LAN or DIO (Optional)				
Communication Protocols			us-RTU (SunSpec Cor	· · · · ·	
Weight (kg)	12.8	12.8	12.8	12.8	13.4
Dimension W×H×D (mm)	410×350×143	410×350×143	410×350×143	410×350×143	410×350×14
Noise Emission (dB)	<25	<25	<25	<25	<25
Topology	Non-isolated	Non-isolated	Non-isolated	Non-isolated	Non-isolated
Self-consumption at Night (W)	<1	<1	<1	<1	<1
Ingress Protection Rating	IP66	IP66	IP66	IP66	IP66
DC Connector	MC4 (4 ~ 6mm ²)	MC4 (4 ~ 6mm ²)	MC4 (4 ~ 6mm ²)	MC4 (4 ~ 6mm ²)	MC4 (4 ~ 6mm
AC Connector	Plug and play connector (Max.6 mm²)				

^{*:} All pictures shown are for reference only. Actual appearance may vary. *: Optional functions or devices are purchased separately.