


NS Series

Single MPPT, Single Phase

Technical Data	GW1000-NS	GW1500-NS	GW2000-NS	GW2500-NS	GW3000-NS
PV String Input Data					
					
Max. DC Input Power (W)	1330	1995	2660	3325	3990
Max. DC Input Voltage (V)	500	500	500	500	500
MPPT Range (V)	80~450	80~450	80~450	80~450	80~450
PV Input Operating Voltage Range (V)	80~500	80~500	80~500	80~500	80~500
Start-up Voltage (V)	80	80	80	80	80
Nominal DC Input Voltage (V)	360	360	360	360	360
Max. Input Current (A)	10	10	10	18	18
Max. Short Current (A)	12.5	12.5	12.5	22.5	22.5
Maximum Inverter Backfeed Current to Array (A)	0	0	0	0	0
No. of MPP Trackers	1	1	1	1	1
No. of Input Strings per Tracker	1	1	1	1	1
AC Output Data					
Nominal Output Power (W)	1000 ^{*1}	1500 ^{*1}	2000 ^{*1}	2500 ^{*1}	3000 ^{*1}
Max. Output Apparent Power (VA)	1000	1500	2000	2500	3000
Nominal Output Voltage (V)	220/230	220/230	220/230	220/230	220/230
Nominal Output Frequency (Hz)	50/60	50/60	50/60	50/60	50/60
Max. Output Current (A)	5	7.5	10	12.5	13.5
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)				
Output THDi (@Nominal Output)	<3%	<3%	<3%	<3%	<3%
Efficiency					
Max. Efficiency	96.5%	97.0%	97.0%	97.5%	97.5%
European Efficiency	96.0%	96.0%	96.0%	97.0%	97.0%
Protection					
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Insulation Resistor Detection	Integrated	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Output Short Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Protective Class	Protective Class I	Protective Class I	Protective Class I	Protective Class I	Protective Class I
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	Natural Convection				
Noise (dB)	<25	<25	<25	<25	<25
User Interface	LCD & LED	LCD & LED	LCD & LED	LCD & LED	LCD & LED
Communication	RS485 or WiFi*2	RS485 or WiFi*2	RS485 or WiFi*2	RS485 or WiFi*2	RS485 or WiFi*2
Weight (kg)	7.5	7.5	7.5	8.5	8.5
Size (Width*Height*Depth mm)	344*274.5*128	344*274.5*128	344*274.5*128	344*274.5*128	344*274.5*128
Protection Degree	IP65	IP65	IP65	IP65	IP65
The Decisive Voltage Class (DVC)	DVC-C	DVC-C	DVC-C	DVC-C	DVC-C
Night Self Consumption (W)	<1	<1	<1	<1	<1
Topology	Transformerless				

*1: For CEI 0-21 Nominal Output Power GW1000-NS is 900, GW1500-NS is 1350, GW2000-NS is 1800, GW2500-NS is 2250, GW3000-NS is 2700.

*2: Only compatible with 2.4Ghz network.

*: Please visit GoodWe website for the latest certificates.