



**GOODWE**  
your solar engine

## NS Series

Single-Phase Grid-tied Inverter

1.5kW 2.0kW 2.5kW 3.0kW



IP 65



20% More  
Compact



Power Factor  
Adjustable



Remote Upgrade



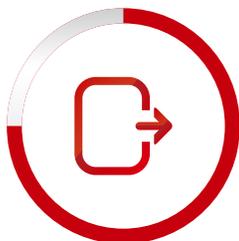
Low Start-up Voltage at 80V



Wi-Fi/GPRS Monitoring



30% Lighter



Export Control



Suitable for 3-Panel System



Wide MPPT Range

Scan for details



## Technical Data

### GW1500-NS

### GW2000-NS

### GW2500-NS

DC Input Data	GW1500-NS	GW2000-NS	GW2500-NS
Max. recommended PV Power [W]	1950	2600	3250
Nominal DC Power [W]	1800	2300	2700
Max. DC voltage [V]	500	500	500
MPPT voltage range [V]	80~450	80~450	80~450
Starting voltage [V]	80	80	80
Max. DC current [A]	10	10	18
No. of DC connectors	1	1	1
No. of MPPTs	1	1	1
DC connector	MC4/ Phoenix/ Amphenol		
AC Output Data			
Normal AC power [W]	1500	2000	2500
Max. AC power [W]	1500	2000	2500
Max. AC current [A]	7.5	10	12.5
Normal AC output	50/60Hz; 230Vac		
AC output range	45~55Hz/55~65Hz; 180~270Vac		
THDi	<3%		
Power factor	0.8 leading~0.8 lagging		
Grid connection	Single phase	Single phase	Single phase
Efficiency			
Max. efficiency	97.0%	97.0%	97.5%
Euro efficiency	>96.0%	>96.0%	>97.0%
MPPT adaptation efficiency	99.9%	99.9%	99.9%
Protection			
Residual current monitoring unit	Integrated	Integrated	Integrated
Anti-islanding protection	Integrated	Integrated	Integrated
DC switch	Integrated (optional)	Integrated (optional)	Integrated (optional)
AC over current protection	Integrated	Integrated	Integrated
Insulation monitoring	Integrated	Integrated	Integrated
Certifications & Standards			
Grid regulation	G83/2, VDE0126-1-1, AS4777.2&3, EN50438, ERDF-NOI-RES_13E;		
Safety	According to IEC62109-1&-2, AS3100		
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-2, EN 61000-3-3		
General Data			
Dimensions (WxHxD) [mm]	344*274.5*128	344*274.5*128	344*274.5*128
Weight [kg]	7.5	7.5	7.5
Mounting	Wall bracket	Wall bracket	Wall bracket
Ambient temperature range	-25~60°C (> 45°C derating)	-25~60°C (> 45°C derating)	-25~60°C (> 45°C derating)
Relative humidity	0~95%	0~95%	0~95%
Max. operating altitude	4000m(> 3000m derating)	4000m(> 3000m derating)	4000m(> 3000m derating)
Protection degree	IP65	IP65	IP65
Topology	Transformerless	Transformerless	Transformerless
Night power consumption [W]	<1	<1	<1
Cooling	Natural convection	Natural convection	Natural convection
Noise emission [dB]	<25	<25	<25
Display	LCD	LCD	LCD
Communication	USB; WiFi or RS485	USB; WiFi or RS485	USB; WiFi or RS485
Standard warranty [years]	5/10/15/20/25 (optional)	5/10/15/20/25 (optional)	5/10/15/20/25 (optional)



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