



**GOODWE**  
your solar engine



**More compact & Much lighter**

- 💡 Dimensions: 338\*272\*128 mm
- 💡 Weight: 8kg

**Wider working voltage range & Quicker start to work**

- 💡 MPPT voltage range: 80-400V
- 💡 Starting voltage: 80V

**NS Series**

Single-MPPT, Single-Phase  
1.0kW/1.5kW/2.0kW/3.0kW

- Maximum Efficiency up to 97.5%
- European Efficiency up to 97.0%
- MPPT Efficiency over 99.5%
- Fanless Design
- Lower noise emission
- IP65 protection standard
- Integrated WiFi monitoring solution
- Integrated DC switch

**Standard 10-year Warranty**

**Integrated WiFi Solution**

Online monitoring system and mobile Apps



*WHERE THE SUN SHINES, THERE IS GOODWE!*

**Technical Data****GW1000-NS****GW1500-NS****GW2000-NS****GW2500-NS****GW3000-NS****DC Input Data**

Max. DC power(W)	1200	1800	2300	2700	3200
Max. DC voltage (V)	450	450	450	450	450
MPPT voltage range (V)	80~400	80~400	80~400	80~400	80~400
Starting voltage (V)	80	80	80	80	80
Max. DC current (A)	10	10	10	15	15
No. of DC connectors	1	1	1	2	2
No. of MPPTs	1	1	1	1	1
DC connector	AMPHENOL/MC				

**AC Output Data**

Norminal AC power(W)	1000	1500	2000	2500	3000
Max. AC power(W)	1000	1500	2000	2500	3000
Max. AC current(A)	5	7.5	10	12.5	13.5
Norminal AC output	50/60Hz; 230Vac				
AC output range	45~55Hz/55~65Hz; 180~270Vac				
THDi	<3%				
Power factor	0.9 leading~0.9 lagging				
Grid connection	Single phase				

**Efficiency**

Max. efficiency	96.5%	97.0%	97.0%	97.5%	97.5%
Euro efficiency	96.0%	96.0%	96.0%	97.0%	97.0%
MPPT adaptation efficiency	>99.5%	>99.5%	>99.5%	>99.5%	>99.5%

**Protection**

Residual current monitoring unit	Integrated				
Anti-islanding protection	Integrated				
DC switch	Integrated (optional)				
AC over current protection	Integrated				
Insulation monitoring	Integrated				

**Certifications&Standards**

Grid regulation	G83/2, AS4777.2&.3, VDE0126-1-1				
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)	344*274.5*123mm				
Weight (kg)	8			9	
Mounting	Wall bracket				
Ambient temperature range	-25~60°C(>45°C derating)				
Relative humidity	0~95%				
Max. operating altitude	2000m				
Protection degree	IP65				
Topology	Transformerless				
Night power consumption(W)	<1				
Cooling	Nature convection				
Noise emission(dB)	<25				
Display	LCD				
Communication	USB2.0; WiFi/RS485 ( optional)				
Standard warranty(years)	5/10/15/20/25( optional)				