

GOODWE

NS Series Single-Phase



Where the sun shines, there is Goodwe!

NS Series

More compact & Much lighter

- Dimensions: 344 x 274.5 x 128 mm
- Weight: 8 kg

Wider working voltage range & quicker start-up

- Voltage range: 80-500 V
- Starting voltage: 80 V

New & sophisticated monitoring system, easy to operate

- Innovatory WiFi solution
- User-friendly interface

Features

- Maximum Efficiency up to 97.5%
- European Efficiency up to 97.0%
- MPPT Efficiency up to 99.9%
- 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



DC INPUT	GW1000-NS	GW1500-NS	GW2000-NS	GW2500-NS	GW3000-NS
Max. DC power	1200 W	1800 W	2300 W	2700 W	3200 W
Max. DC voltage	450 V	450 V	450 V	500 V	500 V
MPPT voltage range	80~400 V	80~400 V	80~400 V	80~450 V	80~450 V
Starting voltage	80 V	80 V	80 V	80 V	80 V
Max. DC current	10 A	10 A	10 A	18 A	18 A
No. of DC connectors	1	1	1	1	1
No. of MPPTs	1	1	1	1	1
DC connector	MC4 / Amphenol	MC4 / Amphenol	MC4 / Amphenol	MC4 / Amphenol	MC4 / Amphenol
AC OUTPUT					
Nominal AC power	1000 W	1500 W	2000 W	2500 W	3000 W
Max. AC power	1000 W	1500 W	2000 W	2500 W	3000 W
Max. AC current	5 A	7.5 A	10 A	12.5 A	13.5 A
Normal AC output	50/60 Hz; 230 Vac				
AC output range	45~55 Hz / 55~65 Hz; 180~270 Vac				
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%
European efficiency	96.0%	96.0%	96.0%	97.0%	97.0%
MPPT adaptation efficiency	99.9%	99.9%	99.9%	99.9%	99.9%
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, VDE0126-1-1, AS4777.2&.3, EN50438, ERD-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)	344 x 274.5 x 128 mm				
Weight	7.5 kg		8.5 kg		
Mounting	Wall bracket				
Ambient temperature range	-25~60°C(>45°C derating)				
Relative humidity	0~95%				
Max. operating altitude	2000 m				
Protection degree	IP65				
Topology	Transformerless				
Night power consumption	<1 W				
Cooling	Nature convection				
Noise emission	<25 dB				
Display	LCD				
Communication	USB2.0; WiFi/RS485				
Warranty	Standard 10 year (15/20/25 optional)				