



GOODWE
your solar engine

SOLAR SYSTEMS
PHILIPPINES INC.



More compact & Much lighter

- 💡 Dimensions: 344*274.5*123 mm
- 💡 Weight: 8kg

Wider working voltage range & Quicker start to work

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

Better Monitoring System with easier to operate

- 💡 Innovatory WiFi solution
- 💡 User-friendly interface

NS Series

Single-MPPT, Single-Phase
1.0kW/1.5kW/2.0kW/2.5kW/3.0kW

- 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



WHERE THE SUN SHINES, THERE IS GOODWE!

DC Input Data					
Max. DC power(W)	1200	1800	2300	2700	3200
Max. DC voltage (V)	450	450	450	500	500
MPPT voltage range (V)	80~400	80~400	80~400	80~450	80~450
Starting voltage (V)	80	80	80	80	80
Max. DC current (A)	10	10	10	18	18
No. of DC connectors	1	1	1	2	2
No. of MPPTs	1	1	1	1 or 2	1 or 2
DC connector	MC/AMPHENOL				
AC Output Data					
Normal 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
Normal 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	99.9%				
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, ERDF-NOI-RES_13E;		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)	344*274.5*123 mm				
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)	10/15/20/25(optional)				