



NS Series



Single Phase Single MPPT

- Lowest start-up voltage at **80V**
 - Perfect for **0.75kW / 3-panel** system
 - Widest voltage range in class of **80 to 400V**
 - **30%** lighter than similar products
 - **20%** Volume optimization
- | | |
|---|---|
| ☐ IP65 protection class | ☐ Max efficiency of 97 % |
| ☐ Integrated DC switch(optional) | ☐ MPPT Efficiency over 99.5% |
| ☐ Up to 10 safety measurements | ☐ 45°C full-load output |

Integrated WiFi Solution
multiple user access and mobile Apps



Good Quality, Good Value, Good Service, 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)	