



NS Series



Single Phase Single MPPT

Best Choice for New-Build Projects

- Lowest start-up voltage at **80V**
 - Perfect for **0.75kW / 3-panel** system
 - Widest voltage range in class of **80 to 400V**
 - Standard Warranty for **10 years**
- | | |
|---|---|
| <input type="checkbox"/> IP65 protection class | <input type="checkbox"/> Max efficiency of 97 % |
| <input type="checkbox"/> Integrated DC switch(optional) | <input type="checkbox"/> MPPT Efficiency over 99.5% |
| <input type="checkbox"/> Up to 10 safety measurements | <input type="checkbox"/> 45°C full-load output |

Integrated WiFi Solution
multiple user access and mobile Apps



WHERE THE SUN SHINES, THERE IS GOODWE.

Technical Data	GW1000-NS	GW1500-NS	GW2000-NS
DC Input Data			
Max. DC power(W)	1200	1800	2300
Max. DC voltage (V)		450	
MPPT voltage range (V)		80~400	
Starting voltage (V)		80	
Max. DC current (A)		10	
No. of DC connectors		1	
No. of MPPTs		1	
DC connector		AMPHENOL/MC	
AC Output Data			
Norminal AC power(W)	1000	1500	2000
Max. AC power(W)	1000	1500	2000
Max. AC current(A)	5	7.5	10
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%
Euro efficiency	96.0%	96.0%	96.0%
MPPT adaptation efficiency		>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, IEC62109-2, AS4777.2&.3, VDE0126-1-1+A1	
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)		338*272*128 mm	
Weight (kg)		8	
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)	