



GOODWE
your solar engine



NS Series



Single-MPPT Single-Phase

1.0kW/1.5kW/2.0kW/2.5kW/3.0kW

- Lowest start-up voltage at **80V**
 - Widest voltage range in class of **80 to 450V**
 - **30%** lighter than similar products
 - **20%** Volume optimization
 - Innovatory WiFi solution
- | | |
|---|--|
| <input type="checkbox"/> IP65 protection class | <input type="checkbox"/> Max efficiency of 97.8 % |
| <input type="checkbox"/> Integrated DC switch & WiFi | <input type="checkbox"/> Multiple monitoring and communication |
| <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



Good Quality Good Value Good Service GoodWe

Technische gegevens

GW1000-NS
GW1500-NS
GW2000-NS
GW2500-NS
GW3000-NS

DC-ingangsgegevens

| | | | | | |
|--------------------------|------------------------|--------|--------|------------------------|--------|
| Max. DC-vermogen [W] | 1300 | 1950 | 2600 | 3250 | 3900 |
| Nominaal DC vermogen [W] | 1200 | 1800 | 2300 | 2700 | 3200 |
| Max. DC-spanning [V] | 450 | 450 | 450 | 500 | 500 |
| MPPT-spanningsbereik [V] | 80~400 | 80~400 | 80~400 | 80~450 | 80~450 |
| Inschakelspanning [V] | 80 | 80 | 80 | 80 | 80 |
| Max. DC-stroom [A] | 10 | 10 | 10 | 18 | 18 |
| Aantal DC-aansluitingen | 1 | 1 | 1 | 1 | 1 |
| Aantal MPP-trackers | 1 | 1 | 1 | 1 | 1 |
| DC-aansluiting | MC4/ Phoenix/ Amphenol | | | MC4/ Phoenix/ Amphenol | |

AC-uitgangsgegevens

| | | | | | |
|--------------------------|--|------------|------------|--|------------|
| Nominaal AC-vermogen [W] | 1000 | 1500 | 2000 | 2500 | 3000 |
| Max. AC-vermogen [W] | 1000 | 1500 | 2000 | 2500 | 3000 |
| Max. AC stroom [A] | 5 | 7.5 | 10 | 12.5 | 13.5 |
| Nominale AC uitgang | 50/60Hz; 230Vac | | | 50/60Hz; 230Vac | |
| AC Uitgang reeks | 45~55Hz/55~65Hz; 180~270Vac | | | 45~55Hz/55~65Hz; 180~270Vac | |
| THDi | <3% | | | <3% | |
| Power factor | 0,8 toonaangevende ~ 0,8 achterblijvende | | | 0,8 toonaangevende ~ 0,8 achterblijvende | |
| Voedingsaansluiting | Enkelfasig | Enkelfasig | Enkelfasig | Enkelfasig | Enkelfasig |

Efficiëntie

| | | | | | |
|----------------|--------|--------|--------|--------|--------|
| Max. rendement | 96.5% | 97.0% | 97.0% | 97.5% | 97.5% |
| Euro-rendement | >96.0% | >96.0% | >96.0% | >97.0% | >97.0% |
| MPPT rendement | 99.9% | 99.9% | 99.9% | 99.9% | 99.9% |

Beveiligingen

| | | | | | |
|-----------------------------|-----------------------------|--|--|-----------------------------|--|
| Reststroom bewakingseenheid | geïntegreerde | | | geïntegreerde | |
| Eilandbedrijf bescherming | geïntegreerde | | | geïntegreerde | |
| DC bewaking | geïntegreerde (facultatief) | | | geïntegreerde (facultatief) | |
| AC overstroombeveiliging | geïntegreerde | | | geïntegreerde | |
| Isolatiebewaking | geïntegreerde | | | geïntegreerde | |

Certificaten normen

| | | | | | |
|-------------|--|--|--|--|--|
| Netbewaking | 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; | |
| veiligheid | According to IEC62109-1&-2, AS3100 | | | 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 | | | EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-2, EN 61000-3-3 | |

Algemene gegevens

| | | | | | |
|------------------------------|----------------------------|--|--|----------------------------|--|
| Afmetingen (BxHxD) [mm] | 344*274.5*128 | | | 344*274.5*128 | |
| Gewicht [kg] | 7.5 | | | 8.5 | |
| montage | Muur beugel | | | Muur beugel | |
| Omgevingstemperatuur | -25~60°C (> 45°C derating) | | | -25~60°C (> 45°C derating) | |
| Relatieve luchtvochtigheid | 0~95% | | | 0~95% | |
| Max Hoogte | 4000m(> 3000m derating) | | | 4000m(> 3000m derating) | |
| Beschermingsklasse | IP65 | | | IP65 | |
| Isolatietype | Transformatorloos | | | Transformatorloos | |
| Nacht opgenomen vermogen [W] | <1 | | | <1 | |
| Koeling | Natuurlijke convectie | | | Natuurlijke convectie | |
| Geluidsemissie | <25 | | | <25 | |
| Schermb | LCD | | | LCD | |
| Communicatie | USB2.0; WiFi or RS485 | | | USB2.0; WiFi or RS485 | |
| Standaard garantie [jaar] | 5/10/15/20/25 (optioneel) | | | 5/10/15/20/25 (optioneel) | |



Color options