

| Technical Data                        | GW1000-NS  | GW1500-NS    | GW2000-NS    | GW2500-NS  | GW3000-NS    |
|---------------------------------------|--|--------------|--------------|--|--------------|
| <b>DC Input Data</b>                  |  |              |              |  |              |
| Max. allowed PV Power [W]             | 1300   | 1950         | 2600         | 3250   | 3900         |
| Nominal DC Power [W]                  | 1200   | 1800         | 2300         | 2700   | 3200         |
| Max. DC voltage [V]                   | 500  | 500          | 500          | 500  | 500          |
| MPPT voltage range [V]                | 80~450   | 80~450       | 80~450       | 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            | 1  | 1            |
| No. of MPPTs                          | 1  | 1            | 1            | 1  | 1            |
| DC connector                          | MC4/ Phoenix/ Amphenol   |              |              | MC4/ Phoenix/ Amphenol   |              |
| <b>AC Output Data</b>                 |  |              |              |  |              |
| Nominal 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         |
| Nominal AC output                     | 50/60Hz; 230Vac  |              |              | 50/60Hz; 230Vac  |              |
| AC output range                       | 45~55Hz/55~65Hz; 180~270Vac  |              |              | 45~55Hz/55~65Hz; 180~270Vac  |              |
| THDi                                  | <3%  |              |              | <3%  |              |
| Power factor                          | 0.8 leading~0.8 lagging  |              |              | 0.8 leading~0.8 lagging  |              |
| Grid connection                       | Single phase   | Single phase | Single phase | Single phase   | Single phase |
| <b>Efficiency</b>                     |  |              |              |  |              |
| 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%  | 99.9%        | 99.9%        | 99.9%  | 99.9%        |
| <b>Protection</b>                     |  |              |              |  |              |
| Residual current monitoring unit      | Integrated   |              |              | Integrated   |              |
| Anti-islanding protection             | Integrated   |              |              | Integrated   |              |
| DC switch                             | Integrated (optional)  |              |              | Integrated (optional)  |              |
| AC over current protection            | Integrated   |              |              | Integrated   |              |
| Insulation monitoring                 | Integrated   |              |              | Integrated   |              |
| <b>Certifications &amp; Standards</b> |  |              |              |  |              |
| 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   |              |              | 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 |              |
| <b>General Data</b>                   |  |              |              |  |              |
| Dimensions (WxHxD) [mm]               | 344*274.5*128  |              |              | 344*274.5*128  |              |
| Weight [kg]                           | 7.5  |              |              | 8.5  |              |
| Mounting                              | Wall bracket   |              |              | Wall bracket   |              |
| Ambient temperature range             | -25~60°C (> 45°C derating)   |              |              | -25~60°C (> 45°C derating)   |              |
| Relative humidity                     | 0~95%  |              |              | 0~95%  |              |
| Max. operating altitude               | 4000m(> 3000m derating)  |              |              | 4000m(> 3000m derating)  |              |
| Protection degree                     | IP65   |              |              | IP65   |              |
| Topology                              | Transformerless  |              |              | Transformerless  |              |
| Night power consumption [W]           | <1   |              |              | <1   |              |
| Cooling                               | Natural convection   |              |              | Natural convection   |              |
| Noise emission [dB]                   | <25  |              |              | <25  |              |
| Display                               | LCD  |              |              | LCD  |              |
| Communication                         | Wi-Fi; RS485 or Ethernet   |              |              | Wi-Fi; RS485 or Ethernet   |              |
| Standard warranty [years]             | 5/10/15/20/25 (optional)   |              |              | 5/10/15/20/25 (optional)   |              |

 Color Options