

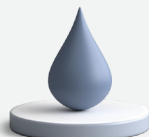
MICRO INVERTER

n·gen



HIGH PERFORMANCE

Low startup voltage, wide voltage range, more efficient.



IP67 RATED

Engineered to last with maximum flexibility. Suitable for outdoor installation.

RELIABLE AND FLEXIBLE

Ngen has launched a more reliable and flexible M1 series micro inverter.

By implementing independent MPPT control for each component and monitoring the status of each component, greatly improve the power generation efficiency and make your electricity usage safer.



EASY INSTALLATION

Flexible configuration, plug and play set-up.



REMOTE MONITORING

Monitor your system remotely via smartphone app or web portal.

REMOTE MONITORING PLATFORM

Monitor system performance in real-time via smartphone app or web portal using our advanced monitoring platform.

- High Performance
- Easy Installation
- IP67 Rated
- Weight 3,9 kg
- Natural Convection
- Reinforce Isolation
- WIFI Communication
- Cloud Monitoring



STAR M1

MICRO INVERTER
TECHNICAL SPECIFICATIONS

| Model | M1-1000 | M1-1200 |
|--|---|-----------------------------|
| INPUT (PV) | | |
| Applicable module power [W] | 355Wp-670Wp+ | |
| Peak power tracking voltage [V] | 31 - 45 | |
| Max. Input Voltage [V] | 60 | |
| Max. Input Short - Circuit Current [A] | 24 | |
| Max. Input Current [A] | 20 | |
| Start-up Voltage [V] | 24 | |
| Number of Independent MPP-Tracker | 2 | |
| Number of Strings per MPP-Tracker | 1 | |
| OUTPUT (AC) | | |
| Nominal output power [W] | 1000 | 1200 |
| Nominal output apparent power [VA] | 1000 | 1200 |
| Nominal output current [A] | 4.54 | 5.46 |
| Nominal output voltage/range [V]*1 | 230/180 - 264 | |
| Nominal output frequency [Hz]*1 | 50/45 - 55 or 60/55 - 65 | |
| Power Factor | >0.99(Adjustable from 0.8 leading to 0.8 lagging) | |
| Max. units per 10AWG branch*2 | 8 | 5 |
| EFFICIENCY | | |
| | | Applicable module power [W] |
| EU Weighted Efficiency [%] | 95.50 | |
| Max. Efficiency [%] | 96.00 | |
| GENERAL DATA | | |
| Dimensions (WxHxD) [mm] | 270*182*34.5 | |
| Weight [kg] | 3.9 | |
| Cooling Method | Natural convection-No fans | |
| Protection Degree | IP67 | |
| Max. Operating Altitude [m] | 2000 | |
| Operating Ambient Temperature Range [°C] | from -25 to +65 | |
| Isolation type | Reinforce Isolation | |
| Communication | WIFI | |
| STANDARD | | |
| Safety | IEC62109-1/2 | |
| EMC | IEC 61000-6-1 /IEC 61000-6-2 /IEC 61000-6-3 /IEC 61000-6-4 /IEC61000-3-2/IEC61000-3-3 | |
| Certification | ABNT NBR 16150, EN 50549-1: 2019, VDE-AR-N 4105: 2018, VFR2019 | |

*1 Nominal voltage/frequency range can vary depending on local requirements.
*2 Refer to local requirements for exact number of microinverters per branch.