



GEP 25-60kW

Three-phase | Up to 6 MPPTs

GEP25-10

GEP30-10

GEP36-10

GEP50-10

GEP60-10



High Power Generation

- Up to 6 MPPTs
- Full-load running at 50°C



Maximum Safety

- Type II SPD for both AC & DC
- Optional AFCI protecting circuits from arc faults*



Intelligent O&M

- Precise string current monitoring
- PID recovery optional*

The GEP 25-60kW has been designed to meet the increasing expectations from the C&I segment. The GEP 25-60kW offers up to 6 MPPTs and is the ultimate solution for commercial rooftop PV systems. This future ready machine comes with film capacitor, fuse-free design and Type II surge protection on both DC & AC sides, ensuring faster trouble-shooting, longer life-span and maximum safety. The GEP 25-60kW requires minimum O&M and offers an improved overall user experience for maximum comfort and minimum operation. All these intelligent features make the GEP 25-60kW one of the most future-proof inverters in its class.



GEP 25-60kW

Up to 6 MPPTs | Three-phase

| Technical Data | GEP25-10 | GEP30-10 | GEP36-10 | GEP50-10 | GEP60-10 |
|---|---|-----------------|-----------------|---------------------------|-----------------|
| Input | | | | | |
| Max. Input Voltage (V) | 1100 | 1100 | 1100 | 1100 | 1100 |
| MPPT Operating Voltage Range (V) | 200~950 | 200~950 | 200~950 | 200~950 | 200~950 |
| Start-up Voltage (V) | 180 | 180 | 180 | 180 | 180 |
| Nominal DC Input Voltage (V) | 600 | 600 | 600 | 600 | 600 |
| Input Operating Voltage Range (V) | 180~1100 | 180~1100 | 180~1100 | 180~1100 | 180~1100 |
| Max. Input Current per MPPT (A) | 30 | 30 | 30 | 30 | 30 |
| Max. Short Circuit Current per MPPT (A) | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 |
| Number of MPPTs | 3 | 3 | 3 | 5 | 6 |
| No. of Input Strings per Tracker | 2 | 2 | 2 | 2 | 2 |
| Output | | | | | |
| Nominal Output Power (W) | 25000 | 30000 | 36000 | 50000 | 60000 |
| Nominal Apparent Power(VA) | 25000 | 30000 | 36000 | 50000 | 60000 |
| Max. Output Power (W) | 27500 | 33000 | 36000 | 55000 | 66000 |
| Max. Output Apparent Power(VA) | 27500 | 33000 | 36000 | 55000 | 66000 |
| Nominal Output Voltage (V) | 400, 3L/N/PE or 3L/PE | | | | |
| Nominal Output Frequency (Hz) | 50/60 | 50/60 | 50/60 | 50/60 | 50/60 |
| Max. Output Current (A) | 40.0 | 48.0 | 53.3 | 80.0 | 96.0 |
| Output Power Factor | ~1 (Adjustable from 0.8 leading to 0.8 lagging) | | | | |
| Output THDi (@Nominal Output) | <3% | <3% | <3% | <3% | <3% |
| Efficiency | | | | | |
| Max. Efficiency | 98.3% | 98.3% | 98.3% | 98.3% | 98.3% |
| European Efficiency | 98.0% | 98.0% | 98.0% | 98.0% | 98.0% |
| Protection | | | | | |
| Anti-islanding Protection | Integrated | Integrated | Integrated | Integrated | Integrated |
| DC Reverse Polarity Protection | Integrated | Integrated | Integrated | Integrated | Integrated |
| PV String Current Monitoring | Integrated | Integrated | Integrated | Integrated | Integrated |
| Anti-PID Function for Module | Optional | Optional | Optional | Optional | Optional |
| DC Surge Arrester | Type II | Type II | Type II | Type II (Type I optional) | |
| AC Surge Arrester | Type II | Type II | Type II | Type II | Type II |
| Residual Current Monitoring Unit | Integrated | Integrated | Integrated | Integrated | Integrated |
| Output Overcurrent Protection | Integrated | Integrated | Integrated | Integrated | Integrated |
| Output Short Circuit Protection | Integrated | Integrated | Integrated | Integrated | Integrated |
| Output Overvoltage Protection | Integrated | Integrated | Integrated | Integrated | Integrated |
| General Data | | | | | |
| Operating Temperature Range (°C) | -30~60 | -30~60 | -30~60 | -30~60 | -30~60 |
| Relative Humidity | 0~100% | 0~100% | 0~100% | 0~100% | 0~100% |
| Operating Altitude (m) | ≤3000 | ≤3000 | ≤3000 | ≤3000 | ≤3000 |
| Cooling Method | Smart Fan Cooling | | | | |
| Display | LCD & LED or APP & LED | | | | |
| Communication | RS485 or WiFi, PLC (Optional) | | | | |
| Communication Protocols | Modbus-RTU (SunSpec compliant) | | | | |
| Weight (Kg) | 40 | 40 | 40 | 55 | 55 |
| Dimension (W × H × D mm) | 480 × 590 × 200 | 480 × 590 × 200 | 480 × 590 × 200 | 520 × 660 × 220 | 520 × 660 × 220 |
| Protection Degree | IP65 | IP65 | IP65 | IP65 | IP65 |
| Night Power Consumption (W) | <1 | <1 | <1 | <1 | <1 |
| Topology | Transformerless | | | | |

* Optional functions are purchased separately.

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