



GEP 3-5kW

2 MPPT | Single-phase

GEP3.6-1-10

GEP4.2-1-10

GEP5.0-1-10

With beautiful aesthetics and user friendly design, GEP 3-5kW has an elegant screen and is light and easy to install. Despite its reduced size, this petite model is capable of 50% DC oversizing, 10% AC overloading and 98.3% max. efficiency, which gives it a unique competitive edge. With 13A max. input current per string, it is compatible with different types of modules. The latest and most advanced safety features are intelligently integrated and packed in this compact albeit powerful model.



Inbuilt DC Isolator



Inbuilt Export Control



13A Per String



Plug & Play



Elegant Aesthetic Design



Superior Efficiency



GEP 3-5kW

2 MPPT | Single-phase

| Technical Data | GEP3.6-1-10 | GEP4.2-1-10 | GEP5.0-1-10 |
|---|---|----------------------------|----------------------------|
| PV String Input Data | | | |
| Max. DC Input Power (W) | 5500 | 6300 | 7500 |
| Max. DC Input Voltage (V) | 600 | 600 | 600 |
| MPPT Range (V) | 80~550 | 80~550 | 80~550 |
| Start-up Voltage (V) | 80 | 80 | 80 |
| Min. Feed-in Voltage(V) | 100 | 100 | 100 |
| Nominal DC Input Voltage (V) | 360 | 360 | 360 |
| PV Input Operating Voltage range (V) | 80~600 | 80~600 | 80~600 |
| Max. Inverter Backfeed Current To The array (A) | 0 | 0 | 0 |
| Max. Input Current (A) | 13/13 | 13/13 | 13/13 |
| Max. Short Current (A) | 16.3/16.3 | 16.3/16.3 | 16.3/16.3 |
| No. of MPP Trackers | 2 | 2 | 2 |
| No. of Input Strings per Tracker | 1 | 1 | 1 |
| AC Output Data | | | |
| Nominal Output Power (W) | 3600 | 4200 | 4999 |
| Max. Output Apparent Power (VA) | 3960 | 4620 | 4999 |
| Nominal Output Voltage (V) | 230 | 230 | 230 |
| Nominal Output Frequency (Hz) | 50 | 50 | 50 |
| Max. Output Current (A) | 18 | 21 | 21.7 |
| Output Power Factor | ~1 (Adjustable from 0.8 leading to 0.8 lagging) | | |
| Output THDi (@Nominal Output) | <3% | <3% | <3% |
| Current (inrush) | 130 | 130 | 130 |
| Maximum Output Fault Current | 155 | 155 | 155 |
| Maximum Output Over Current Protection (A) | 50 | 50 | 50 |
| Efficiency | | | |
| Max. Efficiency | 98.3% | 98.3% | 98.3% |
| European Efficiency | 97.5% | 97.6% | 97.8% |
| Protection | | | |
| Anti-islanding Protection | Integrated | Integrated | Integrated |
| Input Reverse Polarity Protection | Integrated | Integrated | Integrated |
| Insulation Resistor Detection | Integrated | Integrated | Integrated |
| DC SPD Protection | Integrated (Type II) | Integrated (Type II) | Integrated (Type II) |
| AC SPD Protection | Integrated (Type II) | Integrated (Type II) | Integrated (Type II) |
| Residual Current Monitoring Unit | Integrated | Integrated | Integrated |
| Output Over Current Protection | Integrated | Integrated | Integrated |
| Output Short Protection | Integrated | Integrated | Integrated |
| Output Over Voltage Protection | Integrated | Integrated | Integrated |
| Protective Class | Class I | Class I | Class I |
| Decisive Voltage Classification (DVC) | C | C | C |
| General Data | | | |
| Operating Temperature Range (°C) | -25~60 | -25~60 | -25~60 |
| Relative Humidity | 0~100% | 0~100% | 0~100% |
| Operating Altitude (m) | ≤4000 | ≤4000 | ≤4000 |
| Cooling | Natural Convection | Natural Convection | Natural Convection |
| User Interface | LCD&LED | LCD&LED | LCD&LED |
| Communication | Wi-Fi/RS485/LAN (Optional) | Wi-Fi/RS485/LAN (Optional) | Wi-Fi/RS485/LAN (Optional) |
| Weight (kg) | 11 | 11 | 11 |
| Dimensions (W × H × D mm) | 336 × 400 × 124 | 336 × 400 × 124 | 336 × 400 × 124 |
| Protection Degree | IP65 | IP65 | IP65 |
| Night Self Consumption (W) | <1 | <1 | <1 |
| Topology | Transformerless | Transformerless | Transformerless |

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