



GEP 25-36kW

Three-phase | 3 MPPTs

GEP25-10

GEP30-10

GEP36-10



High Power Generation

- Max. 15A input per string
- 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 25-36kW offers 3 MPPTs and is especially designed to meet the increasing expectations from C&I segments. This future-ready machine comes with film capacitor, fuse-free design, Type II surge protection on both DC & AC sides, ensuring longer life-span and maximum safety for rooftop PV systems. The GEP 25-36kW Series requires minimum O&M and offers an improved overall user experience. All these intelligent features make this series one of the most future-proof inverters in its class.



GEP 25-36kW

3 MPPTs | Three-phase

Technical Data	GEP25-10	GEP30-10	GEP36-10
Input			
Max. Input Voltage (V)	1100	1100	1100
MPPT Operating Voltage Range (V)	200 ~ 950	200 ~ 950	200 ~ 950
Start-up Voltage (V)	180	180	180
Nominal Input Voltage (V)	600	600	600
Max. Input Current per MPPT (A)	30	30	30
Max. Short Circuit Current per MPPT (A)	37.5	37.5	37.5
Number of MPP Trackers	3	3	3
Number of Strings per MPPT	2	2	2
Output			
Nominal Output Power (kW)	25	30	36
Nominal Output Apparent Power (kVA)	25	30	36
Max. AC Active Power (kW)	27.5 ¹	33 ¹	36
Max. AC Apparent Power (kVA)	27.5 ²	33 ²	36
Nominal Output Voltage (V)	400 ³ , 3L / N / PE or 3L / PE		
Nominal AC Grid Frequency (Hz)	50 / 60	50 / 60	50 / 60
Max. Output Current (A)	40.0	48.0	53.3
Power Factor	~1 (adjustable from 0.8 leading to 0.8 lagging)		
Max. Total Harmonic Distortion	<3%	<3%	<3%
Efficiency			
Max. Efficiency	98.3%	98.3%	98.3%
European Efficiency	98.0%	98.0%	98.0%
Protection			
PV String Current Monitoring	Integrated	Integrated	Integrated
PV Insulation Resistance Detection	Integrated	Integrated	Integrated
Residual Current Monitoring	Integrated	Integrated	Integrated
PV Reverse Polarity Protection	Integrated	Integrated	Integrated
Anti-islanding Protection	Integrated	Integrated	Integrated
AC Overcurrent Protection	Integrated	Integrated	Integrated
AC Short Circuit Protection	Integrated	Integrated	Integrated
AC Overvoltage Protection	Integrated	Integrated	Integrated
DC Switch	Integrated	Integrated	Integrated
DC Surge Protection	Type II	Type II	Type II
AC Surge Protection	Type II	Type II	Type II
AFCI	Optional	Optional	Optional
Remote Shutdown	Optional	Optional	Optional
PID Recovery	Optional	Optional	Optional
General Data			
Operating Temperature Range (°C)	-30 ~ +60	-30 ~ +60	-30 ~ +60
Relative Humidity	0 ~ 100%	0 ~ 100%	0 ~ 100%
Max. Operating Altitude (m)	3000	3000	3000
Cooling Method	Smart Fan Cooling		
User Interface	LED, LCD (Optional), WLAN + APP		
Communication	RS485, WiFi or PLC (Optional) ⁴		
Communication Protocols	Modbus-RTU (SunSpec Compliant)		
Weight (kg)	40.0	40.0	40.0
Dimension (W × H × D mm)	480 × 590 × 200		
Noise Emission (dB)	<60	<60	<60
Topology	Non-isolated	Non-isolated	Non-isolated
Self-consumption at Night (W)	<1	<1	<1
Ingress Protection Rating	IP65	IP65	IP65
DC Connector	MC4 (4 ~ 6mm ²)		
AC Connector	OT / DT Terminal (Max.25mm ²)		

*1: For Brazil Max. AC Active Power (W): GEP25-10 is 25000; GEP30-10 is 30000.

*2: For Brazil Max. AC Apparent Power (VA): GEP25-10 is 25000; GEP30-10 is 30000.

*3: For Brazil Nominal Output Voltage (V) is 380, 3L / N/PE or 3L / PE.

*4: For Brazil Communication is RS485, WiFi, USB, PLC (Optional).

*: Optional functions are purchased separately.

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