



# GEP 3-5kW

Single-phase | 2 MPPTs

GEP3.6-1-10

GEP4.2-1-10

GEP5.0-1-10



## Superior Product Design

- Elegant aesthetic look
- Colour LED screen
- Plug & Play Installation



## High Power Generation

- 98.3% maximum efficiency
- 150% DC oversizing & 110% AC overloading
- Compatible with bifacial modules

The GEP 3-5kW boasts beautiful aesthetics and a user friendly design from an elegant screen interface. Despite its small size, the GEP 3-5kW is capable of 150% DC oversizing, 110% AC overloading and 98.3% max efficiency, which gives it a unique competitive edge. The latest and most advanced safety features are intelligently integrated and packed in to this compact, but powerful model that is lightweight and easy to install.



# GEP 3-5kW

2 MPPTs | Single-phase

Technical Data	GEP3.6-1-10	GEP4.2-1-10	GEP5.0-1-10
<b>Input</b>			
Max. Input Power (W)	5500	6300	7500
Max. Input Voltage (V)	600	600	600
MPPT Operating Voltage Range (V)	80 ~ 550	80 ~ 550	80 ~ 550
Start-up Voltage (V)	80	80	80
Nominal Input Voltage (V)	360	360	360
Max. Input Current per MPPT (A)	13	13	13
Max. Short Circuit Current per MPPT (A) <sup>*1</sup>	16.3	16.3	16.3
Number of MPP Trackers	2	2	2
Number of Strings per MPPT	1	1	1
<b>Output</b>			
Nominal Output Power (W)	3600	4200	5000
Nominal Output Apparent Power (VA)	3600	4200	5000
Max. AC Active Power (W)	3960	4620	5500
Max. AC Apparent Power (VA)	3960	4620	5500
Nominal Output Voltage (V)	220 / 230	220 / 230	220 / 230
Nominal AC Grid Frequency (Hz)	50 / 60	50 / 60	50 / 60
Max. Output Current (A)	18.0	21.0	25.0
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)		
Max. Total Harmonic Distortion	<3%	<3%	<3%
<b>Efficiency</b>			
Max. Efficiency	98.3%	98.3%	98.3%
European Efficiency	97.5%	97.6%	97.8%
<b>Protection</b>			
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
<b>General Data</b>			
Operating Temperature Range (°C)	-25 ~ +60	-25 ~ +60	-25 ~ +60
Relative Humidity	0 ~ 100%	0 ~ 100%	0 ~ 100%
Max. Operating Altitude (m)	3000	3000	3000
Cooling Method	Natural Convection	Natural Convection	Natural Convection
User Interface	LED, LCD	LED, LCD	LED, LCD
Communication	WiFi , RS485 or LAN (Optional)		
Communication Protocols	Modbus-RTU (SunSpec Compliant)		
Weight (kg)	11.0	11.0	11.0
Dimension (W × H × D mm)	336 × 400 × 124	336 × 400 × 124	336 × 400 × 124
Topology	Non-isolated	Non-isolated	Non-isolated
Self-consumption at Night (W)	<1	<1	<1
Ingress Protection Rating	IP65	IP65	IP65
Country of Manufacture	China	China	China

\*1: For Australia Max. Short Circuit Current per MPPT (A) please refer to 'Manufacturer declaration: short circuit current'.

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