



# 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**



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Technical Data	GEP3.6-1-10	GEP4.2-1-10	GEP5.0-1-10
<b>PV String Input Data</b>			
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
<b>AC Output Data</b>			
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
<b>Efficiency</b>			
Max. Efficiency	98.3%	98.3%	98.3%
European Efficiency	97.5%	97.6%	97.8%
<b>Protection</b>			
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
<b>General Data</b>			
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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