



GEP 3-5kW

Single-phase | 2 MPPTs

GEP3.6-1-10

GEP4.2-1-10

GEP5.0-1-10

 13A Per String

 Type II SPD

 Plug & Play

 Inbuilt Export Control

 Superior Efficiency

 Elegant Aesthetic Design

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 150% DC oversizing, 110% 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.



GEP 3-5kW

2 MPPTs | Single-phase

Technical Data	GEP3.6-1-10	GEP4.2-1-10	GEP5.0-1-10
Input			
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	13/13	13/13
Max. Short Circuit Current per MPPT (A)	16.3/16.3	16.3/16.3	16.3/16.3
Number of MPPTs	2	2	2
Number of Strings per MPPT	1	1	1
Output			
Nominal Output Power (W)	3600	4200	5000
Nominal Output Apparent Power (VA)	3600	4200	5000
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	21	25
Nominal Output Current (A)	15.7	18.3	21.7
Output 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	97.5%	97.6%	97.8%
Protection			
Residual Current Monitoring Unit	Integrated	Integrated	Integrated
DC 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 Surge Arrester	Integrated (Type II)		
AC Surge Arrester	Integrated (Type II)		
General Data			
Operating Temperature Range (°C)	-25~60	-25~60	-25~60
Relative Humidity	0~100%	0~100%	0~100%
Max. Operating Altitude (m)	≤4000	≤4000	≤4000
Cooling Method	Natural Convection		
Display	LCD&LED	LCD&LED	LCD&LED
Communication	Wi-Fi / RS485 / LAN (Optional)		
Weight (Kg)	11	11	11
Dimension (W × H × D mm)	336 × 400 × 124		
Topology	Transformerless		
Night Power Consumption (W)	<1	<1	<1
Ingress Protection Rating	IP65	IP65	IP65

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