

GOP POWER BOX

The smart system solution for your permanent power supply!

The GOP POWER BOX has particularly been developed for the independent electricity supply in rural areas. The entire system represents the heart of your Solar- or Renewable-System. The smart plug and play system that includes inverter, charge controller and a management system to connect to photovoltaic systems and other power sources like generators, block-units or wind turbines. Please ask for our battery pack which is already configured for the GOP POWER BOX.

Advantages of the GOP POWER BOX:

- On-/Off-grid system
- Backup-/UPS system < 15 ms
- 230 VAC single-phase- or 400 VAC three-phase system
- Output range (AC OUT): 1.4 kVA - 21 kVA (230 and 400 VAC)
- Compatible with photovoltaic-, wind-, water- and diesel generators
- Up to 4.0 kWp connectable for each MPPT
- High performance charge controller with up to 4000 watt/tracker
- Automatic start and stop of generators possible
- Battery connection compatible with 24/48 VDC



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The GOP POWER BOX provides:
Postgrid Application and isolated application.
In case of electricity blackout, the integrated system ensures the uninterrupted power supply within less than 15 ms.

Due to the plug and play concept, startup operations will be fast and user-friendly. The system is completely wired and tested.
For installation you only need to connect the required cables with the battery bank, the solar generator and AC IN and OUT. Additional components and installations are not necessary.

The GOP POWER BOX is manufactured in Germany with high class components and under the highest standards of quality.

Optionally it will be available with a 230 VAC or a 400 VAC three-phase system.



Standard equipment GOP POWER BOX		
Inverter 24/48 VDC system	50 / 60 Hz	
	230 VAC / 5 kVA	400 VAC / 150 kVA
Charge controller	up to 4.0 kWp with 1 x MPPT	up to 20.0 kWp with 3 x MPPT
Backup system	Power supply in case of power failures or instable grid	
UPS system	Uninterruptible power supply < 15 ms	
Stationary Display	Analysis of data and control function	
Computer connection	Central control function Fast and accurate possibility to analyze data	
Fuses and switches (technically needed)	The system includes all fuses to protect the system itself	
NH-fuse	separation of battery for additional safety	
Casing size (H x W x D)	800 mm x 600 mm x 210 mm	1800 mm x 1200 mm x 400 mm
Battery bank connection	Compatible with all lead-, AGM and Gel batteries (24/48 VDC)	
On demand the GOP POWER BOX will also be available with different voltages. Optional equipment:		
- Internet connection: In case of disturbances our Support will be able to react and assist quickly and worldwide.		
- Socket: 230 VAC / 400 VAC incl. fuses and switches technically needed.		