

# GOP



German Offgrid Power

# Finally! Electricity

on our Island



Solar power offers a sunny outlook: environmentally-friendly, independent, maintenance-free, and convenient. And all with zero operating costs.

If you previously had no access to electricity, you can now significantly enhance the recreational value of your weekend home with a solar electricity module.



**Solar power guarantees  
peace of mind outdoors**

cool box, pond pump,  
your favourite music, TV,  
electric grill, etc.

# Pioneer set

For beginners in the area of weekend applications!



Fig. similar

The *Pioneer* system is designed for around six 12 volt consumers, for an average runtime of 2 to 5 hours daily (depending on electricity consumption). (weekend operation from April to October)

## Scope of delivery:

- 1 GOP 50 watt high-performance module
- 1 Maintenance-free solar GEL battery 12 volt/75 Ah (C20)
- 1 Steca PR 0505 solar charge controller (12 V/5 A)
- 1 1.5 m cable set for connecting the battery
- 1 5 m solar cable for connecting the solar module

# Profi set

For demanding users who want maximum comfort in the garden shed, for gardening and handicraft work.



Fig. similar

The *Profi* system is designed for three to four 230 volt consumers (max. 200 watt), for an average duration of 0.5 to 3 hours daily (depending on electricity consumption). In addition, 12 volt consumers can also be integrated into the system. (weekend operation from April to October)

## Scope of delivery:

- 1 GOP 140 watt high-performance module
- 1 Studer AJ 500-12V sine wave inverter (400 watt, 12 VDC, incl. 15 A charge controller)
- 1 Maintenance-free solar GEL battery 12 volt/210 Ah (C20)
- 1 1.5 m cable set for connecting the battery
- 1 10 m solar cable for connecting the solar module

# Football TV Set

The solar set for real fans!



Fig. similar

Never miss another game – the *Solar TV Set* has sufficient battery capacity so that you can also enjoy extra time and penalty shoot-outs in peace and quiet. (Running time: up to 6 hours/day)

## Scope of delivery:

- 1 GOP 50 watt high-performance module
- 1 Alpatronics S-19eSH TV (19", 12 volt TV set)
- 1 Steca Solsum 6.6F solar charge controller
- 1 Maintenance-free solar GEL battery 12 volt/80 Ah
- 1 Mounting set for fitting the solar module to the roof of your caravan or garden shed
- 1 1.5 m cable set for connecting the battery
- 1 5 m solar cable for connecting the solar module

# Cooling Set

For connoisseurs who enjoy spending their free time in the garden shed and with barbecues.



Fig. similar

The *Solar Cooling Set* system includes a 12 volt freezer and is designed for up to three 12 volt consumers (max. 200 watt), with an average running time of 0.5 to 3 hours daily (depending on electricity consumption). (weekend operation from April to October)

## Scope of delivery:

- 1 GOP 100 watt high-performance module
- 1 Steca freezer PF166, 12/24 volt, A++
- 1 Maintenance-free solar GEL battery 12 volt/80 Ah (C20)
- 1 Steca PR 1010 solar charge controller (12/24 V/10 A)
- 1 1.5 m cable set for connecting the battery
- 1 10 m solar cable for connecting the solar module

# GOP Solar Modules

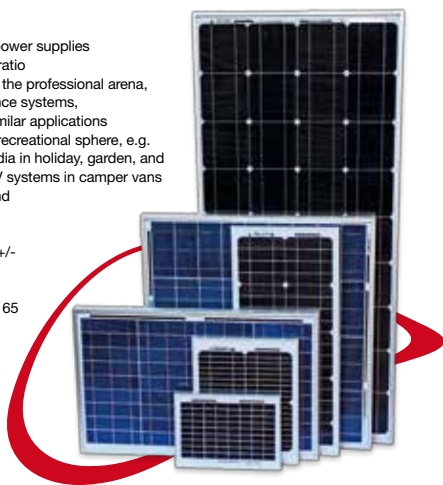
Mono- and poly-crystalline German Offgrid Power modules from 5 to 140 Wp for autonomous PV systems

## NEW *GOP-J*

Available immediately ex-stock.

GOP branded solar modules are a perfect synthesis of German engineering, highly proficient and cost-effective production locations, carefully selected components and strict quality assurance.

- Powerful off-grid solar modules
- Specially designed for off-grid power supplies
- Exceptional price/performance ratio
- For autonomous applications in the professional arena, e.g. street lighting, traffic guidance systems, parking ticket machines, and similar applications
- For standalone solutions in the recreational sphere, e.g. for illumination, cooling and media in holiday, garden, and residential homes, for mobile PV systems in camper vans and on boats, for solar pump and irrigation systems etc.
- With connection box and cable +/-
- Plus tolerances up to +4.5 Wp
- Protection class:  
5-50 Wp: IP 54, 100-140 Wp: IP 65
- 2-year product guarantee
- 5-year guarantee of 90% of nominal output
- 10-year guarantee of 80% of nominal output



Descriptions	Dimensions	Technical Data				
		Pmax	Umpp	Impp	Uoc	Isc
	mm	Wp	V	A	V	A
36-cell modules						
GOP-J-M5Wp	mono 293x212x35	5	17.82	0.29	21.5	0.32
GOP-J-M10Wp	mono 353x293x35	10	17.82	0.57	21.5	0.63
GOP-J-M20Wp	mono 652x287x35	20	17.82	1.14	21.5	1.27
GOP-J-P50Wp	poly 665x535x35	50	17.40	2.87	22.0	3.16
GOP-J-M100Wp	mono 1194x542x35	100	19.10	5.23	22.7	5.56
GOP-J-P140Wp	poly 1482x676x35	140	18.10	7.73	22.2	8.31
Maximum system voltage: 800 V DC						
Temperature coefficients: mono-crystalline modules: Pmax -0.49%/°C, Uoc -0.35%/°C, Isc 0.05%/°C; poly-crystalline modules: Pmax -0.45%/°C, Uoc -0.32%/°C, Isc 0.05%/°C, Technical Data STC: Irradiation 1000 W/m <sup>2</sup> , module temperature 25 °C, air mass AM 1.5						

Think about light, music, television, storing food and drinks in the cool box, electrical equipment, electrical garden appliances etc.

Think about merry garden parties, more convenient gardening or easier DIY work at home.

Think about football and cool beer in the summer.

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German Offgrid Power GOP offers you the right solar system to suit your requirements. Choose from a range of models and sets.

**Examples of compatible electricity consumers:**

- Electrical equipment operating in the 12 volt range
- Electrical equipment operating in the 230 volt range
- Electric lights
- Radios, stereo systems
- Televisions, video & DVD players
- Computers
- Electrical kitchen appliances
- Cool box and freezer
- Electrical garden equipment
- Garden pond pumps
- Power tools

**All systems are inherently safe. The systems will display and report a possible overload and, if necessary, will switch off automatically.**

An arrangement sketch is included with the set. Due to the variety of installation possibilities, installation material for mounting the solar module is not included in the set.

If you have questions about this, please ask your specialist supplier or contact us. We are happy to assist. Your local specialist supplier will advise you of other sets and can also assist you with the installation if necessary.

Your specialist supplier: