

OFF-GRID SYSTEMS



Plug'n'Play Power System Outdoor Power Pro DC NEW

For applications that require protected electronics, SEI AG offers compact outdoor off-grid power supply systems. German manufacturing and the use of high-grade components guarantee a quality standard that meets the demands of private and industrial customers.

All electrical components are pre-assembled and pre-wired in a weatherproof control cabinet. Each system is tested and delivered ready-to-operate. The Plug'n'play concept of the **Outdoor Power Pro DC** series guarantees a simple and error-free installation and commissioning on site.

The **Outdoor Power Pro DC** systems rely on solar charge controllers from Steca which guarantee optimum energy yields. The cabinets are designed for the use of Hoppecke sealed lead-acid batteries (solar.bloc / sun | power VR M).

The photovoltaic generator as well as the consumer loads can be easily connected to the clearly arranged DC input/output terminals. The individual circuits are protected by special DC-capable fuses. In order to increase energy production during periods with low irradiation, an AIR wind generator can be connected as additional charging unit.

The **Outdoor Power Pro DC** cabinets are designed for ground installation. Pre-fabricated foundations (optional) can reduce the installation time.

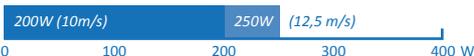


Cabinet Outdoor Power Pro M

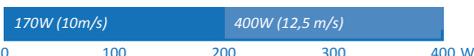
PV Power



Wind Power AIR 30 / Breeze



Wind Power AIR 40



Special Features

- Pre-assembled all-in-one IP55 control/battery cabinet
- Space-saving, compact design
- Use of durable devices and components
- Standard-compliant fuse and switch components



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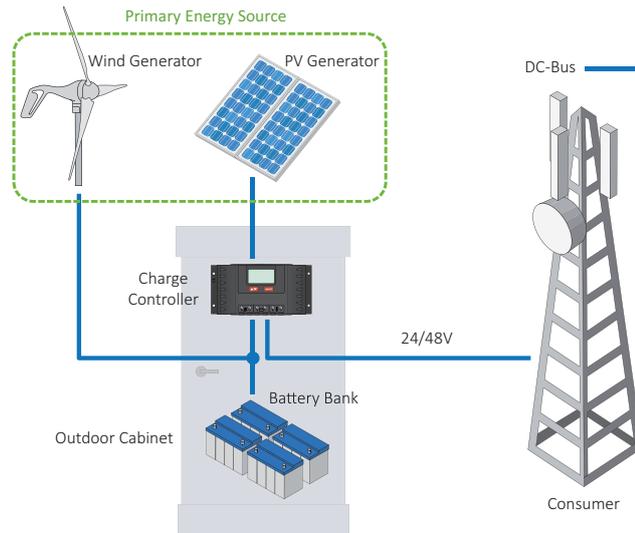
Outdoor Power Pro DC

Plug'n'Play Power System

Application

The Outdoor Power Pro solutions are designed for outdoor use as professional DC off-grid power supply for smaller applications such as lighting, metering equipment, telecom repeater stations, webcams and security technology etc.

In most cases these systems are based on photovoltaics only. The Outdoor Power Pro DC allow to install small wind generators (AIR series) as additional energy source. In areas with distinct seasonal climatic conditions fuel cells based on methanol can be used as backup energy supply to maintain an uninterrupted power supply all over the year.



System scheme of an Outdoor Power Pro off-grid system with optional wind generator

Technical Data

Type	Outdoor Power Pro DC	
	M	L
Battery voltage	24V	48V
Type of battery	4x HOPPECKE solar.bloc 200	8x HOPPECKE solar.bloc 200
Total battery capacity (C24)	182Ah	182Ah
Charge controller	Steca MPPT2010	Steca TAROM 4545
Max. PV power	450Wp	2400Wp
Max. PV input voltage		100V
Max. load current		45A
Wind generator (optional)*	AIR 30 / 40 / Breeze	
DC fuse PV/battery/load	G(10x38) 20A/CB 2P 20A/CB 2P 10A**	CP 4P 63A/CB 2P 50A/CB 2P 50A**
Type of cabinet (steel plate, powder coated)	ground-mounted (single-walled) incl. base plate	
Installation material	concrete foundation optional	
Dimensions (wxhxd) in mm	600 x800 x400	600 x1200 x400
Weight	approx. 175kg	approx. 310kg

*incl. stop switch and extended connection area / **CB = DC capable circuit breaker



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