






Plug'n'play PV Off-Grid Power System
Phoenix Power AC NEW

-  PV power up to 1400Wp
-  Inverter power up to 1300W
-  Lead-acid or lithium batteries



- All-in-one control cabinet
- High-end components
- Fail-safe installation
- Easy and reliable operation
- Maintenance-free
- Highest safety level
- High degree of protection (IP54)
- Detailed monitoring & datalogging
- 5 years product warranty





The Smart Solution!

The **Phoenix Power** all-in-one control cabinets are designed for independent AC power supply by means of PV energy. German manufacturing and the use of high-grade components guarantee a superior quality standard.

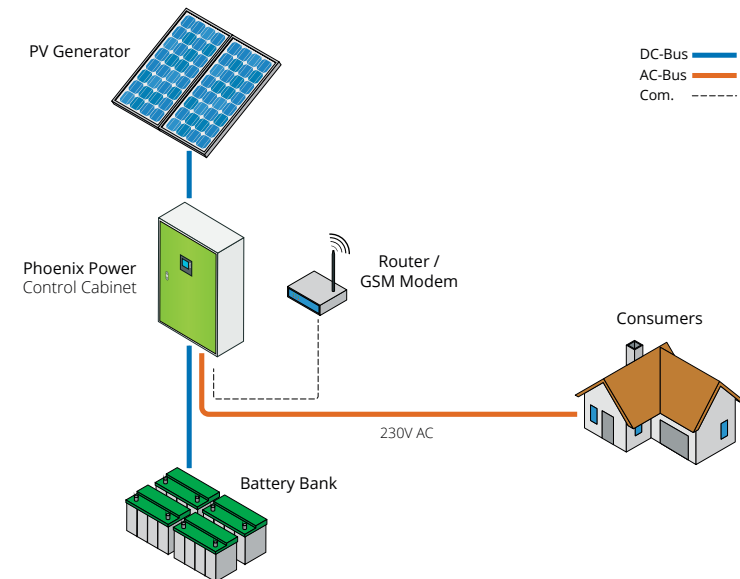
The **Phoenix Power** systems are fast and easy to install thanks to their plug'n'play design. They are compatible to traditional lead-acid batteries and various lithium battery modules.

The **Phoenix Power** control cabinets are equipped with the Victron Energy Phoenix inverter series in combination with Victron Energy SmartSolar/BlueSolar MPPT PV charge controllers. Every system includes a battery status monitor for accurate state of charge determination. The larger systems also include a digital display for the PV charger or a color display /

control unit with integrated datalogger and remote monitoring capabilities as an option.

The **Phoenix Power** systems provide clearly arranged and easy accessible connection terminals. The solar generator can be safely disconnected from the system via PV circuit breaker. Special DC fuse switches as well as AC breakers secure the electrical circuits.

A thermally controlled fan system maintains a constant temperature inside the **Phoenix Power AC1224** and **AC1624** control cabinets. The high degree of protection (IP54) prevents intrusion of dust and small animals like insects. All these measures ensure a reliable operation and a long life of the electrical components.



Technical Data

Type	Phoenix Power		
	AC524 <small>NEW</small>	AC1224	AC1624
Inverter / Charger	VE Phoenix 24/500 VE.Direct	VE Phoenix Compact 24/1200	VE Phoenix Compact 24/1600
Charge controller	VE BlueSolar MPPT 100/15	VE BlueSolar MPPT 100/30	VE BlueSolar MPPT 100/50
Nom. battery voltage	24V		
Cont. output power (25°C)	400W - 230V AC/50Hz	1000W - 230V AC/50Hz	1300W - 230V AC/50Hz
Max. PV power*	440Wp	880Wp	1400Wp
Max. PV input voltage	100V		
Monitoring	Battery monitor VE BMV-700	PV charger monitor VE MPPT Control, Battery monitor VE BMV-700 (optional: Display / (remote) control unit VE ColorControl GX)	
Type of cabinet	IP54, wall-mounted (steel plate powder coated) incl. wall mounting brackets		
Dimensions (wxhxd) in mm	400 x500 x200	600 x800 x250	
Weight	approx. 19kg	approx. 46kg	

*exceeding PV power will be limited to the given maximum PV charge current