





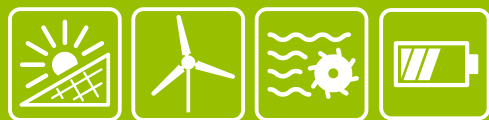


Plug'n'play PV Off-Grid Power System  
**Multi Power AC** NEW

-  PV power up to 24kWp
-  Inverter power up to 12kW
-  Lead-acid or lithium batteries
-  Genset or grid support



- 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





# Multi Power AC

Plug'n'play PV Off-Grid Power System

## The Smart Solution!

The **Multi 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.

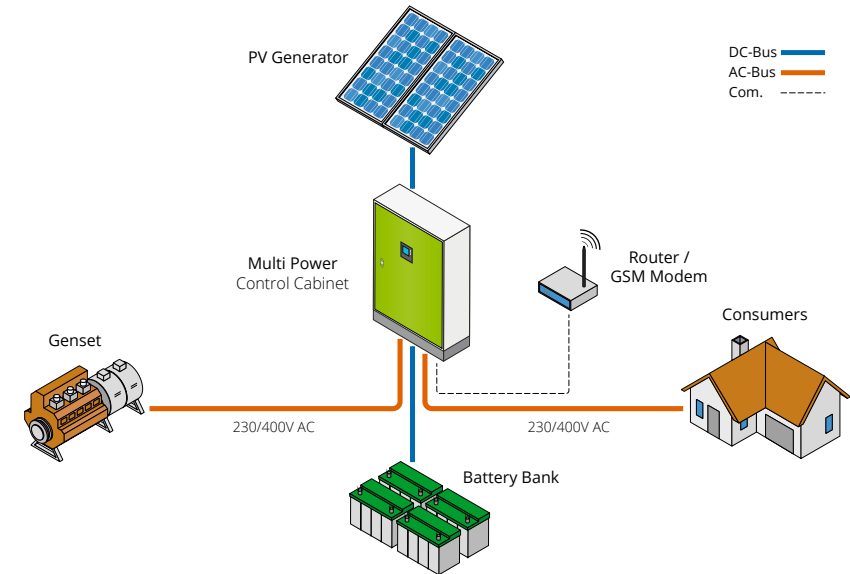
The **Multi Power** systems are fast and easy to install thanks to their plug'n'play design. They are compatible to traditional lead-acid batteries and various lithium battery modules.

The **Multi Power** control cabinets are equipped with the Victron Energy MultiPlus inverter/charger 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 and a digital display for the PV

charger or a color display / control unit with integrated datalogger and remote monitoring capabilities.

The **Multi 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. If required, all inputs and outputs can be equipped with surge protection devices.

A thermally controlled fan system maintains a constant temperature inside the **Multi Power** 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	Multi Power							
	AC824 <small>NEW</small>	AC1624	AC3024 <small>NEW</small>	AC3048	AC5048 <small>NEW</small>	AC5048+	AC15048T <small>NEW</small>	AC15048T+ <small>NEW</small>
Inverter / Charger	VE MultiPlus 24/800	VE MultiPlus Compact 24/1600	VE MultiPlus 24/3000/70-50	VE MultiPlus 48/3000/35-50	VE MultiPlus 48/5000/70-100		3x VE MultiPlus 48/5000/70-100	
Charge controller	VE BlueSolar MPPT 100/30	VE BlueSolar MPPT 100/50	VE BlueSolar MPPT 150/70-TR	VE BlueSolar MPPT 150/70-TR	VE SmartSolar MPPT 250/85-TR	2x VE BlueSolar MPPT 150/85	2x VE SmartSolar MPPT 250/100-TR	4x VE SmartSolar MPPT 250/100-TR
Nom. battery voltage	24V			48V		48V		
Cont. output power (25°C)	0.7kW - 230V AC/50Hz	1.3kW - 230V AC/50Hz	2.4kW - 230V AC/50Hz		4.0kW - 230V AC/50Hz		12.0kW - 400V AC/50Hz	
Max. charge current (genset/grid)	16A DC	40A DC	70A DC	35A DC	70A DC		210A DC	
Max. PV power*	0.88kWp	1.4kWp	2.0kWp	4.0kWp	4.9kWp	9.7kWp (2x 4.85kWp)	11.8kWp (2x 5.9kWp)	23.6kWp (4x 5.9kWp)
Max. PV input voltage	100V		150V		250V	2x 150V	2x 250V	4x 250V
Monitoring	PV charger monitor VE MPPT Control, Battery monitor VE BMV-700 (optional: Display / (remote) control unit VE ColorControl GX)				Display / (remote) control unit VE ColorControl GX, Battery monitor VE BMV-700			
Type of cabinet	IP54, wall-mounted (steel plate powder coated) incl. wall mounting brackets		IP54, wall-mounted (steel plate, powder coated) incl. wall mounting brackets or ground-mounted incl. 200mm socket kit (optional)			IP54, ground-mounted (steel plate, powder coated) incl. 200mm socket kit		
Dimensions (wxhxd) in mm	600 x800 x250		800 x1000** x300			1600 x2000*** x400		
Weight	approx. 41kg	approx. 46kg	approx. 77kg		approx. 92kg	approx. 105kg	approx. 375kg	approx. 394kg

\*exceeding PV power will be limited to the given maximum PV charge current / \*\*plus 200mm height for ground-mounted version with socket / \*\*\*incl. 200mm height of socket