

PowerM Compact

Integrated compact Standalone System Management

Saving time and money

It is so easy and secure to install a PowerM that you will make it a natural and obvious choice. Forget about the hours spent designing, calculating, cabling, installing and setting your standalone system. We have done it for you in our factory premises. Working on standalone systems means working at very remote places and the forgotten RS232 Inverter to PC interface might cost you a lot of travel and time. We set the PowerM according to your needs for it to extract as much power as possible from your RE sources.

Design for solar, wind and even hydro

The PowerM can be provided with Victron, Studer, Schneider/Xantrex or MidNite charge controllers. The PowerM is available in 2 different versions, The simple one for solar array up to 3kWp and the dual which can go up to 6kWc or allow hybrid systems with wind turbines

Compatible with the best inverters / chargers available on the market

The PowerM is suitable with the best inverters available on the market. It can be configured with the whole Victron Energy product range Phoenix, MultiPlus and Quattro, Studer XTH and XTM, Outback and also Schneider. The PowerM is equipped with a monitoring system (According to the models) which makes it possible to have the state of charge of the batteries and a recording of the operating data. It can also be equipped with a 2G / 3G router to ensure the site remote management.

Wall mounting made simpler

The PowerM can easily be fixed as a conventional electrical box, pre-installed connections.

PowerM with :

- Victron 150/70 charge controller
- Victron 1200VA/48V inverter charger
- DC breakers and fuse (UTE 15-712-2)

The PowerM compact flexibility is unlimited



Consult us to analyze your projects :

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Designed to meet 99% of demands, the PowERM allows you to optimize costs and lead times.

Pre-wired sets easy to install

Proudly made in France the PowERM sets are simple and plug'n'play. They allow a quick installation and thus a saving of time on site.

UTE 15-712-2 compliant and tested in mountain areas for several projects. The PowERM is able to meet the requirements of professionals and individuals.

It is also associable with many wired solutions such as:

- Solar panel junction boxes
- AC cabinets
- Sources switches
- Genset controller...



PowERM wiring diagram

The flexibility and simplicity of the PowERM allows it to meet all the needs

Solar up to 14 kWp



PowERM Compact



*Consumption up to 8kW 230V
(3 phases configuration on demand)*



*Sources management (charger or by-pass)
With a genset for example*



24 or 48 V battery bank

Technical Specifications

Dimensions :	1550 x 950 x 300 mm*
Weight :	*Depending on configuration
Inputs :	14kWp and 600Voc with solar 2,0kW and 250V with wind turbines
Outputs :	DC 24V or 48V on demand 230V 50Hz true sine wave up to 10kVA 3 phases systems on demand
Design :	UTE 15-712-2 compliant, Intuitive breakers localization
Standards :	UTE 15-712-2 inspired, fuse and breakers. Light surge protection devices on demand.
Inverter charger:	Studer Innotec : XTS (0.9 to 1.4kVA), XTM (1.5 to 4kVA), XTH (3 to 8kVA) Victron Energy : Phoenix and Multiplus (0.8VA to 5kVA), Quattro (5kVA to 15kVA) Schneider Solar : SW (3kW to 3.8kW), XW (5.5kW to 6.8kW)
Solar charge controller:	Studer Innotec : VT (4 to 5kWp), VS (4.2 to 7kWp) Victron Energy : BlueSolar(1.3kWp to 5.8kWp) Schneider Solar : MPPT 60 (3.5kWp), MPPT 80 (4.8kWp)
Options :	Smart genset start and stop Load control Remote management

We realize tailor-made solutions for any type of request, do not hesitate to contact us



What makes us different :

Management of large multi-site projects around the world

Design and manufacturing of industrial solutions

Multidisciplinary design (Mechanics, Electricity, Electronics, Thermal and Industrial Computing)

ERM Energies a brand of ERM Automatismes Industriels :

- ❑ Structure created in 1990, specialized in electrical engineering.
- ❑ A design office of 10 people to answer specific and complex requests (Electricity, Mechanics, Electronics, Thermal and Industrial Computing)
- ❑ Nearly 40 people on the site of Carpentras (FRANCE)
- ❑ Professional and certified technicians.
- ❑ Experience in electrical cabinets and metal structures making.
- ❑ Field technicians for installation and technical support

