

ENERGY SOLUTIONS

**VICTRON INVERTERS, CHARGERS, MULTIS, BATTERIES,
BATTERY MONITORING, VE.NET & ACCESSORIES**



Victron MultiPlus



Victron EasyPlus



Victron Chargers



Victron Inverters



Victron Quattro
inverter / charger



Victron 12v Batteries



Victron 2v Batteries



Victron BMV-600 and
BMV-602 battery monitors



Victron VE.NET



Victron Accessories

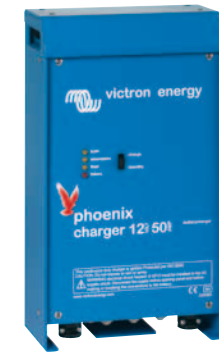
POWER AT YOUR CONTROL

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VICTRON INVERTERS, BATTERY CHARGERS & MULTIS

VICTRON MULTI



The Multi / MultiPlus combines an inverter, battery charger and automatic switch over device in a single compact housing. It's PowerControl and PowerAssist functions make it the heart of the power management system onboard.

VICTRON CHARGERS

Victron offer 4 ranges of chargers to suit differing applications. All chargers share the same high quality engineering.

When external AC power (from a shore supply or generator) is available the Multi works as a battery charger and supplies the AC loads connected to its output from the mains supply.

On losing the AC supply the Multi supplies the AC loads on its output from its Sine wave inverter section.

The transition from mains to inverter and visa versa is so quick that computers and electronic clocks continue to function without disruption.

The MultiPlus version uses Inverter power to boost the supply from shore or generator to help with short term high power loads, on all models except the 800Va.

New Phoenix EasyPlus

For the more straightforward applications Victron have taken the 'all in one' concept to it's ultimate end in the form of the EasyPlus.

This model has everything you get from MultiPlus with the addition of an in-built RCD and MCB's for AC power distribution. So you no longer need a separate circuit breaker panel. With battery cables fitted and the AC connections being plug-in (as for all compact models) installation could not be easier. The EasyPlus truly is a complete power system in one box.

Blue Power

- Wide input voltage (200-265v or 115-265v dependent on model)
- 3 stage charging with 1 main output
- Water proof models available to IP65

Centaur

- Universal input voltage (90-265v)
- 3 stage charging with 3 main outputs
- UL compliant

Phoenix

- Universal input voltage (90-265v)
- Adaptive 4 stage charging with 2 main outputs & 1 aux
- Battery safe & storage modes
- Computer interface via RS-485 data port

Skylla

- Wide input voltage (185-264v)
- 3 stage charging with 1 main output & 1 aux
- Temperature compensation & alarm outputs

Model	Inverter Va	Charger amp	Model	Inverter Va	Charger amp
12 volt models			24 volt models		
C12 / 800 / 35 16A	800	35	C24 / 800 / 16 16A	800	16
C12 / 1200 / 50 + 16A	1200	50	C24 / 1200 / 25 + 16A	1200	25
C12 / 1600 / 70 + 16A	1600	70	C24 / 1600 / 40 + 16A	1600	40
12 / 1600 / 70 + Easy	1600	70	C24 / 2000 / 50 + 30A	2000	50
C12 / 2000 / 80 + 30A	2000	80	C24 / 3000 / 70 + 30A	3000	70
12 / 3000 / 120 + 16A	3000	120	24 / 3000 / 70 + 16A	3000	70
12 / 3000 / 120 + 50A	3000	120	24 / 3000 / 70 + 50A	3000	70
48 volt models			24 / 5000 / 120 + 50A	5000	120
48 / 3000 / 35 + 50A	3000	50			
48 / 5000 / 70 + 50A	5000	70			

Centaur 12v	Centaur 24v	Skylla	Phoenix	Blue Power
12 / 20	24 / 16	24 / 30	12 / 30	12 / 7
12 / 30	24 / 30	24 / 50	12 / 50	12 / 10
12 / 40	24 / 40	24 / 80	24 / 16	12 / 15
12 / 50	24 / 60	24 / 100	24 / 25	24 / 5
12 / 60	24 / 80	24/50 & 24/100 3 phase		24 / 8
12 / 80	24 / 100		Blue Power IP65	
12 / 100		48 / 25	12 / 7	24 / 3
12 / 200		48 / 50	12 / 17	24 / 12



VICTRON INVERTERS



The Phoenix inverters are the most advanced available for professional power systems in marine, mobile and industrial applications.

Developed for professional duty, the Phoenix range of inverters are suitable for the widest range of applications. The design brief was to produce a true sine wave inverter with optimised efficiency but without compromise in performance. The result is a top quality product with compact dimensions, which are well suited to powering up difficult loads such as refrigeration compressors, electric motors and similar appliances.

VICTRON QUATTRO



Virtually unlimited power thanks to parallel operation. Up to 6 Quattros can operate in parallel to achieve higher power output. Three phase or split phase operation is also possible.

Two AC inputs

Two AC inputs with integrated transfer switch. The Quattro can be connected to two independent AC sources, for example shore-side power and a generator, or two generators. The Quattro will automatically connect to the active source.

Two AC Outputs

The main output has no-break functionality. In the event of a grid failure, or shore or generator power being disconnected, the Quattro takes over the supply to the connected loads. This happens so fast (less than 20 milliseconds) that computers and other electronic equipment will continue to operate without disruption. The second output is live only when AC is available on one of the inputs of the Quattro. Loads that should not discharge the battery, such as air-conditioning or a water heater can be connected to this output.

Unique PowerAssist feature

The Quattro will prevent overload of a limited AC source. First, battery charging will automatically be reduced when otherwise an overload would occur. The second level will boost the output of a generator or shore side supply with power taken from the battery.

Quattro inverter / charger

Model	Inverter Va	Charger amp
12 volt models		
12 / 3000 / 120 50/30A	3000	120
24 volt models		
24 / 3000 / 70 50/30A	3000	70
24 / 5000 / 120 30/30A	5000	120
48 volt models		
48 / 5000 / 70 50/30A	5000	70

	Model	Cont. Va	Peak W
12V	12 / 180-230V-IEC	180	200
	12/350-230V-IEC	350	500
	12/750-230V-IEC	750	1400
	C 12/1200-230V	1200	2200
	C 12/1600-230V	1600	2300
	C 12/2000-230V	2000	4000
	12/3000-230V	3000	6000
24V	24/180-230V-IEC	180	200
	24/350-230V-IEC	350	500
	24/750-230V-IEC	750	1400
	C 24/1200-230V	1200	2200
	C 24/1600-230V	1200	3000
	C 24/2000-230V	2000	4000
	24/3000-230V	3000	6000
48V	24/5000-230V	5000	7500
	48/350-230V-IEC	350	500
	48/750-230V/50Hz-IEC	750	1400
	48/3000-230V	3000	6000
	48/5000-230V	5000	7800

VICTRON BATTERIES

12V DEEP CYCLE AGM, DEEP CYCLE & LONG LIFE GEL 2V



AGM stands for Absorbent Glass Mat. In these batteries the electrode is absorbed into a glass-fibre mat between the plates by capillary action. AGM batteries are more suitable for short time delivery of very high currents (i.e. engine starting) than Gel batteries.

Gel batteries have the electrode immobilised in Gel. They generally have a longer service life and better cycle capacity than AGM batteries.

VRLA AGM: design life 7-10 years
VRLA GEL: design life 12 years
VRLA GEL 2 volt cells: design life 20 years

The AGM range has very low internal resistance making them particularly suitable for high current discharge applications such as for inverters, thrusters and winches as well as engine starting.

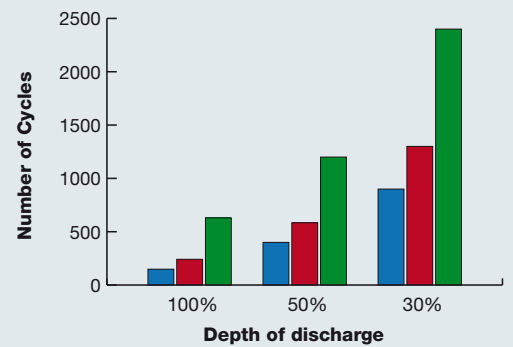
The GEL model range offer best deep cycle durability and overall longer life.

The use of high purity materials and lead calcium grids ensure that for both AGM and GEL products have particularly low self discharge so that they will not go flat during long periods without charge.

Manufactured under ISO 9002 quality standards, they are compliant with both CE and UL specifications in ABS fireproof containers and come with Victron's 2 year world-wide warranty.

Victron VRLA Batteries offer a range of benefits:

- Victron VRLA (Valve Regulated Lead Acid) batteries have exceptional leak resistance and can be used in any position.
- VRLA Batteries are maintenance free for life.
- VRLA AGM batteries are more suitable for short-time delivery of very high currents (engine starting) than gel batteries.
- Gel batteries in general have a longer service life and better cycle capacity than AGM batteries.
- VRLA batteries can be stored for long periods of time without recharge.
- VRLA batteries can be stored for up to a year without recharging if kept under cool conditions.
- VRLA batteries have exceptional discharge recovery, even after deep or prolonged discharge.
- VRLA AGM Deep Cycle batteries have excellent high current performance.



■ AGM Deep Cycle ■ Gel Deep Cycle ■ Gel Long Life

12 Volt Deep Cycle AGM		
Model	Ah	V
AGM-012	12	12
AGM-035	35	12
AGM-055	55	12
AGM-060	60	12
AGM-080	80	12
AGM-100	100	12
AGM-120	120	12
AGM-150	150	12
AGM-200	200	12

12 Volt Deep Cycle Gel		
Model	Ah	V
GEL-055	55	12
GEL-060	60	12
GEL-080	80	12
GEL-100	100	10
GEL-120	120	12
GEL-150	150	12
GEL-200	200	12

2 Volt Long Life Gel		
Model	Ah	V
2VGEL-800	800	2
2VGEL-1000	1000	2
2VGEL-1500	1500	2
2VGEL-2000	2000	2
2VGEL-3000	3000	2

BATTERY MONITORING, VE.NET & ACCESSORIES

BATTERY MONITORING



BMV-600 and BMV-602

The BMV-600 and BMV-602 are our newest high precision battery monitors. The essential function of a battery monitor is to calculate ampere-hours consumed and the state of charge of a battery. Ampere-hours consumed are calculated by integrating the current flowing in or out of the battery.

- Highest resolution: 10mA (0,01A) with 500A shunt.
- Lowest current consumption: 1mA.
- Easiest to wire: the BMV-600 comes with shunt, 10 meter RJ 12 UTP cable and 2 meter battery cable with fuse. No other components needed.
- Easiest to install: separate front bezel for square or round appearance; ring for rear mounting and screws for front mounting.

The BMV-602 has a second voltage measurement input. This input can for example be used to measure the voltage of a starter battery.

VE.NET



VE.Net Panel

A modular network

An easy-to-install low-power network, VE.Net is an integrated package of modular units that interact to provide control and monitoring of your electrical systems such as your battery or inverter.

VE.Net Panel – information at your fingertips

The VE.Net panel gives you at-a-glance information on the status of your on-board equipment providing you with details on the condition of your battery, inverter or battery charger. The VE.Net Panel is a plug-and-play display and control panel which automatically detects all devices connected to the network. All the information you need is at your fingertips on a single interface.

VE.Net Connectivity Module - information wherever and whenever you want

The VE.Net add-on connectivity module can be accessed via a secure, password-protected website which enables you to control and monitor whenever and wherever you are. Alternatively, messages can be sent to the system by SMS, to switch devices on or off. In fact, almost any on-board function or device can be connected to the system.

Why VE.Net?

- Fewer cables, less weight, fast and low-cost installation
- Stay fully informed: whenever and wherever you are
- All information displayed on a single, easy-to-read panel
- Remote monitoring and control: optimum comfort and safety
- Plug and play: no set-up needed
- Built-in GPS system

VICTRON ACCESSORIES



Remote Panels:

- Phoenix Multi Panel (PMV)
- Charger Mode (CMV)
- Inverter Control (ICV)
- Charger Current (CCV)
- Charger Output (COV)
- Charger Switch (CSV)
- AC Outlet (AOV)
- Battery Alarm (ALV)

Battery Protect:

- Automatically disconnects non essential loads when battery falls below set voltage
- 25 & 60 amp versions available

DC to DC converters:

Non isolated converters

- 24v to 12v (5, 8, 12, 20 & 30 amp)
- 12v to 24v (7 & 10 amp)

Isolated converters

- 3 power ratings (100, 200 & 360 watt)
- 4 Input voltages (12, 24, 48 & 96 volts)
- 2 output voltages (12 & 24 volts)

Battery charging converters

- Charge a 24v battery from a 12v supply. 12 amp

Diode Isolators

- Schottky diodes for low volt drop
- 2 battery units (70, 120 & 160 amp rated)
- 3 battery units (70, 120 & 160 amp rated)

Diode Combiners

- Supplies essential circuits from 2 different batteries
- 30 & 70 amp versions

Cyrix Battery Combining relay

- Automatically connects 2 batteries when either one is being charged
- 12 & 24 volt versions (80, 160 & 400 amp)



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