

# AQ-LITH<sup>®</sup> ENERGYRACK

8-YEAR  
WARRANTY

LONG SERVICE LIFE:  
LIFEPO4

VRM APP

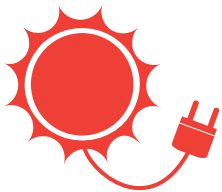


30 - 46 - 77 - 92 KWH

MODULAR

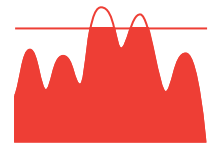
CLIMATE  
CONTROLLED CASE

The use of batteries for large-scale storage of (renewable) energy in industry and related sectors has been on the rise in recent years. This is under the influence of **rising energy prices** and a growing **ecological awareness**. These batteries are recovered in the following three areas:

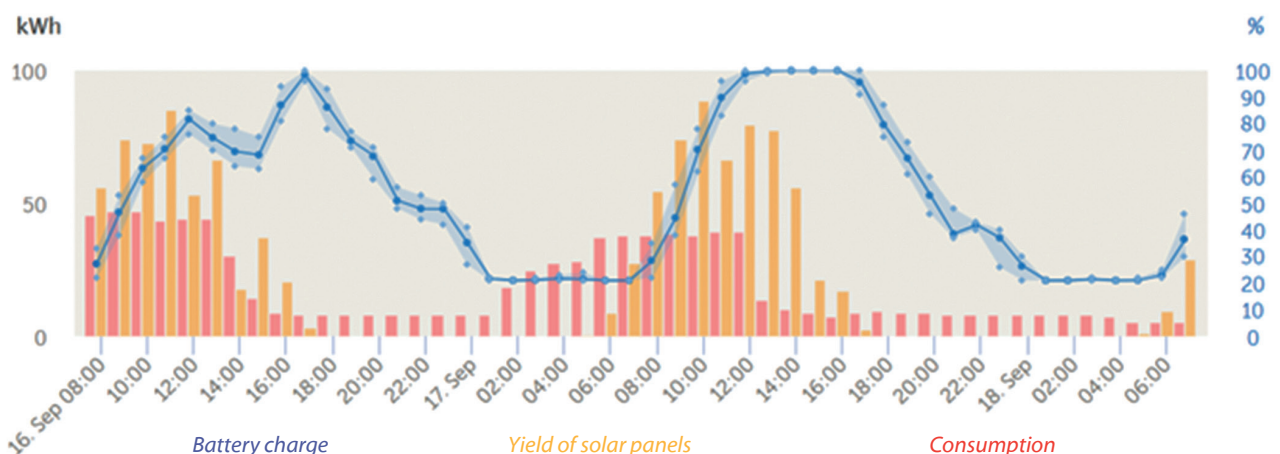


The surplus energy production is stored and later used in case of shortages. This increases the self-consumption of the company and less energy is injected and taken from the grid. This **increase in self-consumption is the battery's main profit factor**.

Companies are heavily penalized financially for their **peak consumption**. A battery controlled by an intelligent EMS (Energy Management System) can smooth out these peaks (**peak-shaving**). In this way, you can save on your energy bill without having to change your operation/behavior.



The **variable energy prices** (arbitrage) react very erratically in function of the general consumption but also in function of the presence of sun and wind. The battery can store **cheap energy from the grid and its own production** to consume itself at peak times when energy is again more expensive.



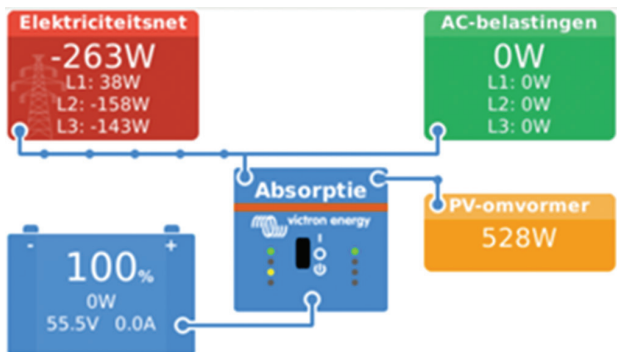
## AUTONOMOUS AND AUTOMATED

Thanks to the automated operation of our system, our installations are completely **maintenance free**. You can monitor your entire system via a handy app on your smartphone or PC. You don't have to do anything yourself to save on your energy bill!

The temperature of the batteries is automatically kept stable thanks to a built-in climate control. In combination with our specially designed cabinet, this provides optimal conditions to guarantee a long life.



**victron energy**  
BLUE POWER



## YOUR BATTERY SYSTEM FULLY CUSTOMIZED!

Thanks to the modular structure of our AQ-Lith EnergyRack, many different configurations are available ranging from **30-46-77 kWh...**

Our batteries are supplied with matching industrial inverters that are perfectly dimensioned for the installation. The possibilities are listed at the bottom of this brochure.

## ENERGY MANAGEMENT SYSTEM

To **recoup the battery even faster**, we definitely recommend using an intelligent controller. We recommend the **YUSO control system**. It regulates the charging and discharging of the battery **via algorithms** based on energy prices, weather forecasts and your own consumption pattern. The "Yuso-inside control" is a product of the **aggregator YUSO**. Thanks to the intelligence of the YUSO control, we can even achieve payback periods of 7 years.



## BELGIAN BRAND!



AQ-LITH® is a **100% Belgian brand**

With an **in-house repair service**, we guarantee the best possible service, even when the warranty period has expired.

## NEW: 3-PHASE INSTALLATIONS ON 3X230V!

Recently, we also offer full three-phase installations on the 3 x 220V grid. This makes us unique in Flanders! Ideal for the integration of large systems in agriculture and old city networks.

Inverter KIT	9KVA	15KVA
<b>Model</b>	3 x 3KVA Multiplus II	3 x 5KVA multiplus II
<b>Max charging current(A)</b>	105	210
<b>Max discharge power (kW)</b>	9	15
<b>Max charging power (kW)</b>	5,25	10,5
<b>Warranty</b>	5 years	

	30 kWh	46 kWh	77 kWh	92 kWh
<b>Technology</b>	Li-ion (LiFePO4 or LFP)			
<b>Nominal voltage (V)</b>	51,2V			
<b>Capacity (Ah)</b>	600	900	1500	1800
<b>Capacity (kWh)</b>	30	46	77	92
<b>Power (kW)</b>	15	22,5	37,5	45
<b>Dimensions (mm)</b>	900 x 1100 x 2100	900 x 1100 x 2100	2x (900 x 1000 x 2100)	2x (900 x 1000 x 2100)
<b>Poids (kg)</b>	600	750	1350	1500
<b>Warranty</b>	8 years			