Renewable energy storage

EMS : THE AQ-SMART® CONTROLS

1. AQ-SMART® Multi-EnergyRack - BAT/51016

This control ensures that multiple Pylontech® EnergyRack batteries with Victron inverters and GX controls are all controlled together and form one battery. This configuration also requires only one power meter to control all batteries.

2. AQ-SMART® Dynamic — Multi EnergyRack - BAT/51017

The basic technical control for a use of multiple Pylontech® EnergyRack batteries within one installation. In addition, this controller looks at Day-Ahead prices via an Internet link so that the controller can control the battery according to variable prices. This allows the battery to be charged and discharged a second time overnight if price differences allow. To take advantage of this functionality, the user must have a variable energy contract with an energy supplier or have the intension to enter into a variable contract in the near future. The AQ-SMART® EMS works independently of the choice of energy provider.

3. AQ-SMART® Yuso® Inside - BAT/51018

This control supports all the functions of the basic control and the dynamic control, supplemented by a Yuso® Inside protocol, in order to take advantage of imbalance market opportunities. This requires a specific Yuso® energy contract. The conclusion of an energy contract is done through the independent company Yuso®. Only available in BENELUX and UK.

PYLONTECH® ENERGYRACK MODULE - RESIDENTIAL

Batteries for green renewable energy are important in the energy transition and the reduction of energy costs. These batteries for residential use will increase the self-consumption but also reduce peak consumption. With a compatible EMS, residential batteries can also be used to gain profit from the variable prices. Battery Supplies can offer you the AQ-LITH® EnergyBox batteries for residential use and the Pylontech® EnergyRack systems for in

PYLONTECH® ENERGYRACK MODULE

Can be used with all kits for the EnergyBox

Model	BAT/51035
Battery type	LiFePO4
Capacity (kWh)	5
Nominal capacity (Ah)	100
Power (kW)	3840
Nominal voltage (Vdc)	48
Dimensions (mm)	442 x 420 x 161
Weight (kg)	39,7
D.O.D. (%)	95
Cycle life	> 8000 @ 25°C
Communication port	RS485, CAN
Waranty	10 years (warranty) daily cycle*

* Subject to registration of Pylontech EnergyRack at: https://en.pylontech.com.cn/service/support/

PYLONTECH® ENERGYRACK CABINET WITH
NATURAL VENTILATION INCLUDING BUSBAR AND FUSES.

Model	SOL/48ER15PT	SOL/48ER20PT
Battery type	LiFePO4	
Capacity (kWh)	15	20
Number of 5kWh modules BAT/51035	3	4
Nominal capacity (Ah)	300	400
Power (kW)	11520	15360
Nominal voltage (Vdc)	48	
Dimensions (mm)	600 x 600 x 700	585 x 510 x 860
Weight (kg)	147,5 ± 1%	190,8 ± 1%
D.O.D. (%)	95	
Cycle life	> 8000 @ 25℃	
Communication port	RS485, CAN	
Waranty	10 years (warranty) daily cycle*	

* Subject to registration of Pylontech EnergyRack at: https://en.pylontech.com.cn/service/support/

BAT/51152: empty cabinet for max 4 modules.

AQ-LITH® ENERGYBOX - RESIDENTIAL

AQ-LITH® ENERGYBOX

Store your solar energy on a battery from Battery Supplies.

We offer 3 types of EnergyBox batteries, according to your energy consumption: 3, 5 and 7kWh. These batteries can also be connected in parallel up to 14kWh.

The EnergyBox consists of LiFePO4 cells: this ensures an increased lifespan and a high degree of safety.

Ref	SOL/48EB3	SOL/48EB5	SOL/48EB7	2 x SOL/48EB5	2 x SOL/48EB7
Battery type	LiFePO4				
Nominal voltage (V)	51,2				
Capacity (kWh)	3	5	7	10	14
Max. Output (KW)	1,5	2,5	2,5	5	5
Dimensions (mm)	523 x 679 x 152.5	564.5 x 650 x 212	662 x 717 x 205	2 x 564.5 x 650 x 212	2 x 662 x 717 x 205
Weight (kg)	45	66	89	132	178
Charging voltage (V)	56,8				
Warranty	10 years				
Operating temperature	Discharge: -15℃ – 50℃ Charge: 0℃ – 45℃				
IP	IP54				