

aquawatt Lithium batteries

Much more power on board with lithium yttrium phosphate batteries (LYP)

aquawatt lithium batteries are equipped with advanced lithium yttrium phosphate cells. Those are absolutely safe to operate and well established and proven. The weight is only 30% of conventional lead acid batteries with a much higher performance of 2.000– to 5.000 cycles.

Considering the high number of cycles and the exceptional efficiency these batteries are the most sustainable investment compared to other batteries. The voltage does not decrease under high loads which makes this battery a perfect power source for electric boats and vehicles. All aquawatt lithium batteries are suitable for quick charge.

Battery management system (BMS)

aquawatt lithium batteries are equipped with an advanced BMS. All cells are individually controlled and balanced. The system has a display indicating all necessary information:

- Overall battery voltage
- Low and high cell voltage
- Charge and discharge current
- Charged and discharged ampere hours
- Cell temperature (optional)

The BMS controls the battery charger and the motor controller. This avoids unter- or overcharging.



The BMS– display is available in two sizes as integrated or mounted version. Installation to the dashboard or to the battery box.



aquawatt lithium batteries

details and prices 2011

Standard battery, suitable for aquawatt outboard motor				sales price in EUR ex works		
Type	Length,width,height in mm	Weight	Capacity	Cells	Price excl. VAT	Price incl.20 % VAT
LYP 50 V 160 Ah narrow	950 x 290 x 330	105 kg	8 kwh	4 x 4 = 16	5.825.-	6.990.-
LYP 50 V 160 Ah wide	630 x 450 x 330	105 kg	8 kwh	2 x 8 = 16	5.825.-	6.990.-
LYP 50V 200 Ah narrow	1570 x 260 x 480	125 kg	10 kwh	4 x 4 = 16	6.582,50	7.899.-
LYP 80 V 100 Ah	620 x 390 x 250	110 kg	8 kwh	5 x 5 = 25	6.240,83	7.489.-
LYP 80 V 160 Ah	1170 x 355 x 330	150 kg	12,8 kwh	5 x 5 = 25	7.951,66	9.542.-

Standard battery, suitable for aquawatt inboard engines				sales price in EUR ex works		
Type	Length,width,height in mm	Weight	Capacity	Cells	Price excl. VAT	Price incl. 20% VAT
LYP 96 V 160 Ah	960 x 550 x 330	190 Kg	16 kWh	4 x 8 = 32	9.629,16	11.555.-
LYP 96 V 200 Ah	to be agreed	242 Kg	20 kWh	32	11.093,33	13.312.-
LYP 96 V 260 Ah	to be agreed	290 Kg	26 kWh	32	13.289,16	15.947.-
LYP 96 V 300 Ah	to be agreed	320 Kg	30 kWh	32	14.753,33	17.704.-
LYP 96 V 400 Ah	to be agreed	450 Kg	40 kWh	32	18.414,16	22.097.-



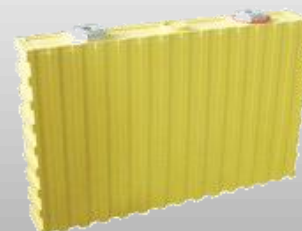
Other cell arrangements and sizes possible. Large batteries can be splitted in multipart housings. The units are equipped with plug which allows the battery units to be placed in different compartments in the hull or vehicle.

Individual manufacturing 90—400 ah , 3,3 bis 180 volts

Housing in aluminium ALMg3 or fibre glass.

All batteries come with BMS and display.

aquawatt batteries contain certified cells.



Publication is non binding. Information subject to changes without prior notice.



Development, manufacturing and sales world wide

aquawatt Mechatronik und Yachtbau

Dieter Seebacher Wasserstrasse 1 A—9062 Moosburg AUSTRIA

Telefon +43 4272 82 256 Fax +43 4272 82 257

Homepage www.aquawatt.at e- mail info@aquawatt.at