

Aquamot Longlife silicone batteries



Benefits

- » Superior lifetime (up to 950 cycles at 50% DOD)
- » High-temperature resistant up to 65°C
- » More power per cycle: up to 30% more current consumption from the battery per cycle
- » Innovative silicone technology
- » Maximum performance through the deep-cycle technology
- » High continuous-discharges-rates possible
- » Sturdy and leak proof case construction
- » Absolutely safety



Our Batteries

An absolutely reliable partner on board at any time, at every place and for every application. The Aquamot Longlife Silicon Deep-Cycle battery is a VRLA-battery for different operating ranges with higher constant current.

It is possible to charge and discharge the Aquamot AGM Deep-Cycle Silicone battery up to 9 times more (up to 950 cycle at 50% DOD or 750 cycles at 75% DOD and 25°C) as a customary battery. This is absolutely market-leading in our understanding. The result of using lead grids with very thick meshes, own-developed paste and own-developed silicone technology allows this long service life.

Therefore the inner resistance is decrease distinct. So in combination with the Deep-Cycle ability (up to 80% discharge) up to 30% more current can be taken out of the battery per cycle than out of an conventional battery. Also the high temperature ability up to 65 °C can be reached because of this new silicone technology.

Through the use of one of the latest ABS technology for the housing and the inner structure, the batteries are extremely tough and moreover extremely shock and vibration resistant. The battery is also tolerant against the positioning and can be mounted in every position.

Model overview

Type	ALS12085	ALS12105	ALS12115	ALS12145	ALS12200	ALS12260	ANC12120 ¹
Voltage	12 V	12 V	12 V	12 V	12 V	12 V	12V
Capacity (C20)	85 Ah	105 Ah	115 Ah	145 Ah	200 Ah	260 Ah	120 Ah
Length	260 mm	307 mm	331 mm	341 mm	532 mm	520 mm	331 mm
Width	169 mm	169 mm	176 mm	173 mm	206 mm	268 mm	176 mm
Height total	215 mm	216 mm	220 mm	288 mm	222 mm	226 mm	221 mm
Weight	26,2 kg	30,7 kg	33,7 kg	42,3 kg	59,0 kg	77,5 kg	33,4 kg
Terminal	M6	M6	M8	M8	M8	M8	M8
Temperature range	-25°C to 65°C						
Self-discharge	<2% per month (25°C)						
Cycle voltage	14,4 V to 14,9 V						
Floating voltage	13,6 V to 13,8 V						
Warranty	2 years						

¹ no traction battery (no Deep-cycle ability and lower cycle count) ;



Superior lifetime

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Immaculate performance

Generally customary batteries can only be discharged maximum 50% of their capacity, this means that only the half of their capacity can be used. Aquamot AGM Deep-Cycle batteries can be discharged up to 80% of their capacity. Therefore 30% more energy is available at the same range of capacity. So all loads can be used 30% longer without an external power supplier.

Far reaching temperature range

Commercial batteries only have a temperature range from -10°C up to +40°C. Especially for the boat sector, where the temperatures in summer can reach up to 60°C in the engine room, this would not be enough. Therefore the Aquamot Deep-Cycle batteries are very high temperature resistant and can be used up to 65°C ambient temperature.

Tough and leakproof construction

Through the use of one of the latest ABS technology for the housing and the inner structure, the batteries are extremely tough and moreover extremely shock and vibration resistant. At this battery type is used no fluid electrolyte, but the electrolyte is bounded in fibreglas separators so there is no risk that the electrolyte could leak out of the housing. The battery is also tolerant against the positioning and can be mounted in every position.



Absolutely safety

Often new battery technologies are given to overheat faster. In the worst case this could cause fire. Our batteries are virtually not burnable and if pressure builds up inside the batteries this will be no problem. There are intelligent overpressure valves which would take away the gas inside. So this is a completely safe construction.



Completely free of maintenance

Who can't remember to one of the following situations? Refilling distilled water, checking the acid level, doing grease on the pole and so on... You can forget everything with the absolute maintenance free battery technology of Aquamot because the electrolyte is absorbed in the fibreglass separators and not liquid. The poles are also screws as it is written in the guideline. Therefore it isn't necessary anymore to do any grease between poles and cable lugs.

Brilliant storability

Because of using the latest materials in the separators and the paste material, a very low internal resistance could be reached. This causes the advantage that the storability got increased very much and the self discharge got extremely decreased therefore. That means that the self discharge is less than 2% after one month.

Batteries according to both US and European standards

All Aquamot Longlife Deep-Cycle AGM Batteries conform the huge numerous of European and US guidelines. Therefore the battery can be used worldwide without thought.