ACUMAX[®] sealed maintenance-free lead-acid battery AML series



Sealed, maintenance free, lead-acid **ACUMAX**^{*} batteries with a **10-12** years designed lifetime are made in **AGM** technology - electrolyte is absorbed in highly porous fiber glass separators placed between the plates. They use a gas recombination cycle which prevents electrolyte loss and allows the batteries to be used in rooms without forced ventilation, that are occupied by people. One-way, self-regulating pressure relief valves prevent the case from blowing up, by preventing excessive buildup of pressure in the cells.

- uninterruptible power supplies
- telecom power supply systems
- telecommunication PABX
- power station

- fire and security systems
- solar powered systems
- emergency lighting systems
- cable TV

Main applications

- marine
- golf-carts, wheelchairs
- mobile and portable equipment

Discharge characteristics

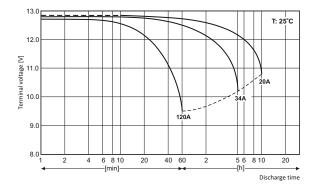
• medical equipment

Technical data

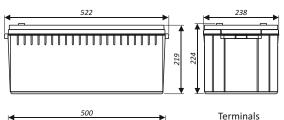
Nominal voltage	12 V
Nominal capacity	200 Ah/ C ₂₀
Design life	8 years @ 25°C 10-12 years @ 20°C according to Eurobat, Long Life group
Weight	~ 61.5 kg
Dimensions Height Length Width	224 mm 522 mm 238 mm
Internal resistance	~ 3.0 mΩ*
Charging voltage @ 25°C Standby use Cykle use	13.65 V ± 0.18 V 14.70 V ± 0.30 V
Charging current Recommended Maximum	20 A 60 A
Max. discharge current (5s)	1600 A
Container material Standard Optional (Flame-retardant)	ABS UL 94-HB ABS UL 94-V0
*for a fully charged battery	

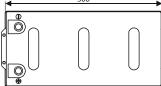
Battery approved for transportation by air, sea or land. Classified as nonhazardous material: *IATA/ICAO Special Provision A67, DOT-CFR Title 49 parts 171-189, IMDG amendment 27.*

Constant current discharge (Current [A], 25 [°C] / 77 [°F])



Dimensions







Tolerance: +/- 3mm;

Discharge time U. [V/cell] 10 min 15 min 30 min 1h 2h 3h 4h 5h 10h 20h 334 284 179 113 69,1 48,5 39,8 34,0 20,0 10,5 1,80 1,75 354 300 185 117 70,9 50,0 41,0 35,0 20,1 10,6 1,70 367 310 190 119 72,0 50,4 41,3 35,2 20,3 10,6

Constant power discharge (Power [W/cell], 25 [°C] / 77 [°F])

U,	Discharge time									
[V/cell]	10 min	15 min	30 min	1h	2h	3h	4h	5h	10h	20h
1,75	731	638	464	265	171	117	91,2	75,4	40,5	21,2
1,70	759	661	475	269	174	118	91,9	76,0	40,8	21,3
1,65	790	685	491	277	175	119	92,5	76,0	41,0	21,3



U_F - Final voltage