



**AXL - 2000**

Sealed, maintenance free, lead-acid **ACUMAX®** batteries with **over 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.

- GSM base stations
- emergency lighting systems
- wind turbines
- solar systems

**Main applications**

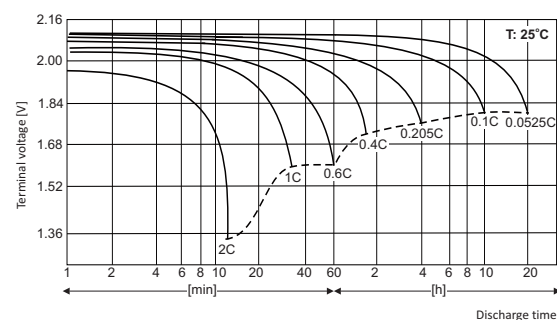
- Uninterruptible Power Supplies (UPS)
- telecommunication PABX
- substations

**Technical data**

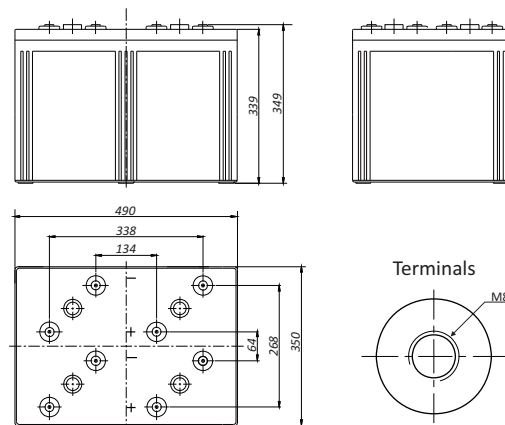
Nominal voltage	2 V
Nominal capacity	2000 Ah/ C <sub>10</sub>
Design life	10 - 12 years @ 25°C over 12 years @ 20°C according to Eurobat, Long Life group
Weight	~ 120.5 kg
Dimensions	
Height	349 mm
Length	490 mm
Width	350 mm
Internal resistance	≤ 0.28 mΩ
Charging voltage @ 25°C	
Standby use	2.275 V ± 0.03 V
Cycle use	2.45 V ± 0.05 V
Charging current	
Recommended	200 A
Maximum	600 A
Max. discharge current (5s)	16000 A
Container material	
Standard	ABS UL 94-HB
Optional (Flame-retardant)	ABS UL 94-V0

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

**Discharge characteristics**



**Dimensions**



Tolerance: +/- 3mm;

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

U <sub>f</sub> [V/cell]	Discharge time										
	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
<b>1,85</b>	1533,6	1216,0	998,0	599,5	463,3	380,5	324,0	283,0	228,0	191,0	101,3
<b>1,80</b>	1645,5	1279,3	1060,0	632,4	486,0	397,5	337,6	295,7	236,8	200,0	105,0
<b>1,75</b>	1742,5	1345,2	1106,0	658,6	504,0	411,0	348,0	302,7	241,3	202,0	106,1

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

U <sub>f</sub> [V/cell]	Discharge time										
	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
<b>1,80</b>	3119,4	2443,5	2038,9	1224,3	945,3	777,0	662,1	581,9	468,4	397,2	208,7
<b>1,75</b>	3278,2	2554,3	2118,0	1269,9	977,8	800,6	680,2	593,8	476,2	400,7	210,6
<b>1,70</b>	3410,8	2632,0	2180,6	1301,8	999,9	814,8	689,9	603,4	483,1	404,4	212,5

U<sub>f</sub> - Final voltage

