

# ACUMAX® sealed maintenance-free lead-acid battery AML series



## AML 28-12

- uninterruptible power supplies
- telecom power supply systems
- telecommunication PABX
- power station
- fire and security systems
- solar powered systems
- emergency lighting systems
- cable TV

### Technical data

Nominal voltage	12 V
Nominal capacity	28 Ah/ C <sub>20</sub>
Design life	8 years @ 25°C 10-12 years @ 20°C according to Eurobat, Long Life group
Weight	~ 9.18 kg
Dimensions	
Height	176 mm
Length	166 mm
Width	125.5 mm
Internal resistance	≤ 9.4 mΩ
Charging voltage @ 25°C	
Standby use	13.65 V ± 0.18 V
Cykle use	14.70 V ± 0.30 V
Charging current	
Recommended	2.8 A
Maximum	8.4 A
Max. discharge current (5s)	420 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.*

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

U <sub>k</sub> [V/cell]	Discharge time														
	5 min	10 min	15 min	20 min	30 min	45 min	1h	2h	3h	4h	5h	8h	10h	20h	
<b>1,80</b>	83,0	70,0	53,6	46,8	32,2	22,1	18,7	10,2	7,11	5,92	4,98	3,38	2,62	1,41	
<b>1,75</b>	88,5	71,2	54,7	47,3	33,3	23,9	21,2	10,7	7,42	5,97	5,11	3,47	2,66	1,42	
<b>1,70</b>	93,0	73,5	56,0	48,9	34,1	24,6	21,7	10,8	7,52	6,20	5,15	3,49	2,67	1,43	

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

U <sub>k</sub> [V/cell]	Discharge time														
	5 min	10 min	15 min	20 min	30 min	45 min	1h	2h	3h	4h	5h	8h	10h	20h	
<b>1,75</b>	164	133	105	91,0	64,4	47,4	41,4	21,1	14,8	12,1	10,2	7,20	5,32	2,82	
<b>1,70</b>	172	138	108	94,7	66,3	43,2	42,0	21,3	15,0	12,2	10,3	7,28	5,33	2,83	
<b>1,65</b>	183	144	110	96,7	67,4	49,2	42,5	21,5	15,3	12,3	10,4	7,53	5,34	2,84	

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

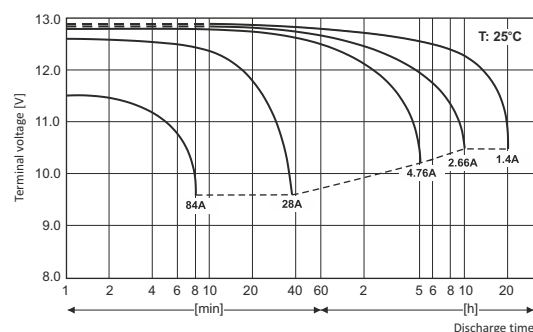


All data are subject to change without notice.

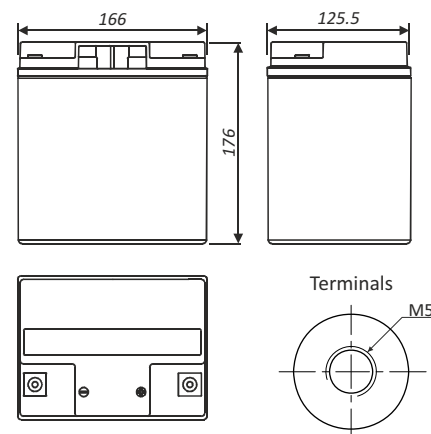
### Main applications

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

### Discharge characteristics



### Dimensions



Tolerance: + 2mm/- 1mm;