

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



## AM 3.4-12

- uninterruptible power supplies
- telecommunication PABX
- cash registers and fiscal printers
- emergency lighting systems
- fire and security systems
- solar powered systems
- mobile and portable equipment
- lawn mowers, electrical bicycle

### Technical data

Nominal voltage	12 V
Nominal capacity	3.4 Ah/ C <sub>20</sub>
Design life	5 years @ 25°C 6-9 years @ 20°C according to Eurobat, General Purpose group
Weight	~ 1.3 kg
Dimensions	
Height	65.5 mm
Length	134 mm
Width	67 mm
Internal resistance	≤ 45 mΩ
Charging voltage @ 25°C	
Standby use	13.65 V ± 0.18 V
Cycle use	14.70 V ± 0.30 V
Charging current	
Recommended	0.34 A
Maximum	0.96 A
Max. discharge current (5s)	45 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>F</sub> [V/cell]	Discharge time											
	5 min	10 min	15 min	30 min	1h	2h	3h	4h	5h	10h	20h	
<b>1,80</b>	9,24	6,52	5,03	2,87	1,72	0,993	0,718	0,581	0,493	0,289	0,165	
<b>1,75</b>	10,3	7,07	5,37	3,03	1,81	1,04	0,752	0,604	0,511	0,301	0,170	
<b>1,70</b>	11,1	7,46	5,71	3,10	1,88	1,08	0,786	0,625	0,526	0,306	0,173	

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

U <sub>F</sub> [V/cell]	Discharge time											
	5 min	10 min	15 min	30 min	1h	2h	3h	4h	5h	10h	20h	
<b>1,75</b>	19,0	13,3	10,1	5,82	3,43	1,98	1,56	1,17	0,994	0,597	0,317	
<b>1,70</b>	20,2	14,0	10,6	6,18	3,63	2,12	1,63	1,21	1,03	0,608	0,320	
<b>1,65</b>	21,4	14,7	11,2	6,43	3,79	2,25	1,70	1,27	1,07	0,620	0,324	

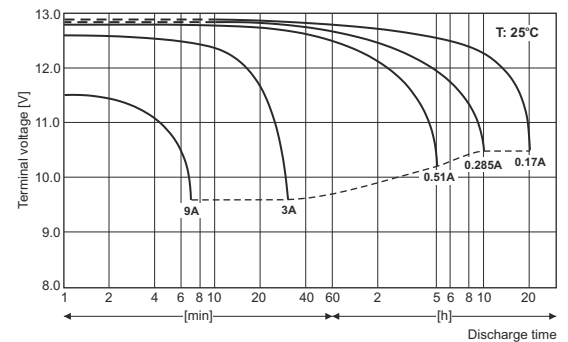
U<sub>F</sub> - Final voltage



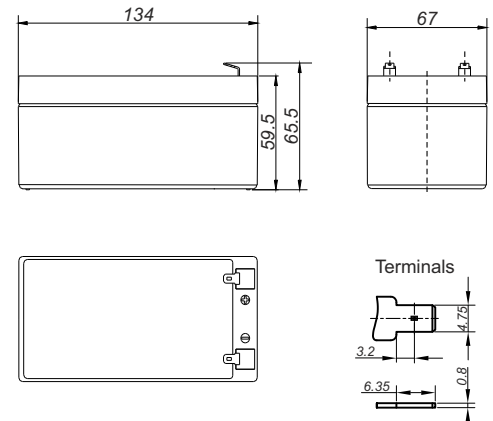
### Main applications

- medical equipment
- fishing lights
- parking meters
- toys

### Discharge characteristics



### Dimensions



Tolerance: +/- 1mm;