

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



## AM 7-12

- 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	7 Ah/ C <sub>20</sub>
Design life	5 years @ 25°C 6-9 years @ 20°C according to Eurobat, General Purpose group
Weight	~ 2.18 kg
Dimensions	
Height	100 mm
Length	151 mm
Width	65 mm
Internal resistance	≤ 23 mΩ
Charging voltage @ 25°C	
Standby use	13.65 V ± 0.15 V
Cycle use	14.70 V ± 0.30 V
Charging current	
Recommended	0.7 A
Maximum	2.1 A
Max. discharge current (5s)	105 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	20min	30 min	45 min	1h	2h	3h	4h	6h	8h	10h	20h
<b>1,80</b>	19,2	13,7	11,3	9,20	6,65	4,80	3,83	2,24	1,66	1,35	0,99	0,783	0,653	0,350
<b>1,75</b>	21,5	14,9	12,0	9,70	6,92	4,99	3,98	2,31	1,71	1,38	1,01	0,795	0,663	0,357
<b>1,70</b>	23,4	15,9	12,8	10,2	7,18	5,12	4,05	2,36	1,75	1,41	1,03	0,812	0,672	0,361

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

U <sub>F</sub> [V/cell]	Discharge time													
	5 min	10 min	15 min	20min	30 min	45 min	1h	2h	3h	4h	6h	8h	10h	20h
<b>1,75</b>	39,8	28,0	22,8	18,6	13,4	9,72	7,79	4,55	3,37	2,74	2,00	1,59	1,33	0,716
<b>1,70</b>	42,8	29,5	24,0	19,3	13,8	9,89	7,88	4,61	3,42	2,78	2,03	1,61	1,33	0,718
<b>1,65</b>	45,7	30,7	24,8	19,8	14,1	10,1	8,02	4,65	3,45	2,80	2,05	1,62	1,34	0,720

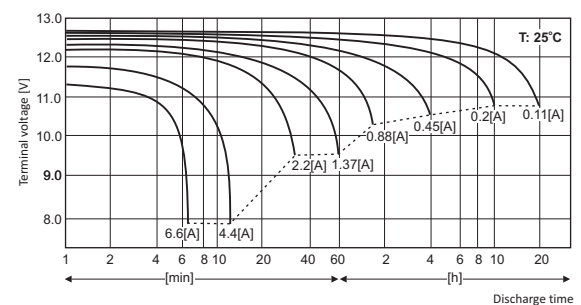
U<sub>F</sub> - Final voltage



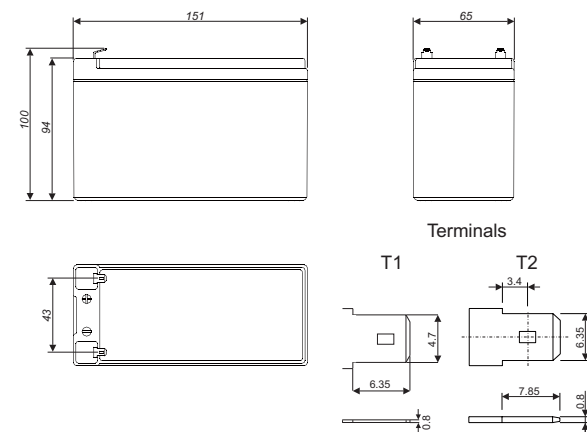
### Main applications

- medical equipment
- fishing lights
- parking meters
- toys

### Discharge characteristics



### Dimensions



Tolerance: +/- 2mm;