

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



## AM 0.8-12

- 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	0.8 Ah/ C <sub>20</sub>
Design life	5 years @ 25°C 6-9 years @ 20°C according to Eurobat, General Purpose group
Weight	~ 0.35 kg
Dimensions	
Height	62 mm
Length	96 mm
Width	25 mm
Internal resistance	≤ 150 mΩ
Charging voltage @ 25°C	
Standby use	13.65 V ± 0.15 V
Cycle use	14.70 V ± 0.30 V
Charging current	
Recommended	0.08 A
Maximum	0.24 A
Max. discharge current (5s)	12 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>	2,04	1,49	1,17	0,99	0,76	0,56	0,451	0,260	0,200	0,162	0,115	0,092	0,074	0,0400
<b>1,75</b>	2,31	1,64	1,28	1,07	0,79	0,58	0,471	0,269	0,204	0,165	0,118	0,093	0,076	0,0404
<b>1,70</b>	2,54	1,79	1,37	1,12	0,83	0,60	0,486	0,276	0,210	0,170	0,120	0,095	0,078	0,0411

### 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>	4.08	2.95	2.33	1.96	1.48	1.09	0.900	0.518	0.394	0.320	0.230	0.183	0.151	0.080
<b>1,70</b>	4.37	3.14	2.45	2.04	1.53	1.13	0.926	0.529	0.404	0.328	0.235	0.185	0.154	0.081
<b>1,65</b>	4.75	3.36	2.58	2.16	1.60	1.15	0.940	0.534	0.420	0.338	0.239	0.188	0.157	0.082

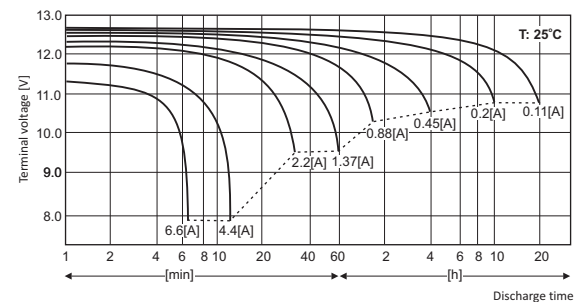
U<sub>F</sub> - Final voltage



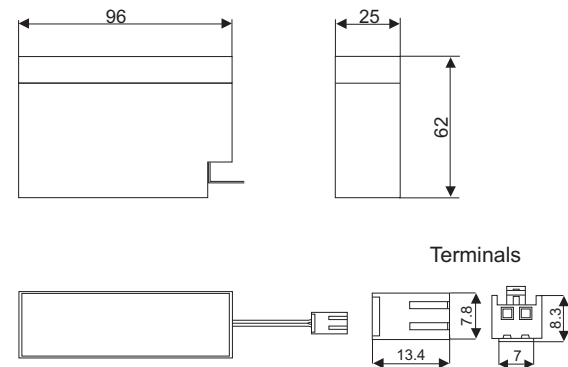
### Main applications

- medical equipment
- fishing lights
- parking meters
- toys

### Discharge characteristics



### Dimensions



Tolerance: +/- 1mm; +/- 2mm for height dimentions