

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



AM 2.2-12

- 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 | 2.2 Ah/ C ₂₀ |
| Design life | 5 years @ 25°C 6-9 years @ 20°C according to Eurobat, General Purpose group |
| Weight | ~ 0.96 kg |
| Dimensions | |
| Height | 66 mm |
| Length | 178 mm |
| Width | 35 mm |
| Internal resistance | ≤ 70 mΩ |
| Charging voltage @ 25°C | |
| Standby use | 13.65 V ± 0.15 V |
| Cycle use | 14.70 V ± 0.30 V |
| Charging current | |
| Recommended | 0.2 A |
| Maximum | 0.66 A |
| Max. discharge current (5s) | 33 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 _f [V/cell] | Discharge time | | | | | | | | | | | | | |
|----------------------------|----------------|--------|--------|-------|--------|--------|------|-------|-------|-------|-------|-------|-------|-------|
| | 5 min | 10 min | 15 min | 20min | 30 min | 45 min | 1h | 2h | 3h | 4h | 6h | 8h | 10h | 20h |
| 1,80 | 5,88 | 4,30 | 3,37 | 2,85 | 2,20 | 1,60 | 1,30 | 0,750 | 0,580 | 0,460 | 0,330 | 0,263 | 0,214 | 0,115 |
| 1,75 | 6,63 | 4,72 | 3,68 | 3,06 | 2,28 | 1,66 | 1,36 | 0,770 | 0,590 | 0,470 | 0,339 | 0,268 | 0,220 | 0,116 |
| 1,70 | 7,30 | 5,15 | 3,93 | 3,22 | 2,37 | 1,72 | 1,40 | 0,790 | 0,600 | 0,490 | 0,346 | 0,272 | 0,224 | 0,118 |

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

| U _f [V/cell] | Discharge time | | | | | | | | | | | | | |
|----------------------------|----------------|--------|--------|-------|--------|--------|------|------|------|-------|-------|-------|-------|-------|
| | 5 min | 10 min | 15 min | 20min | 30 min | 45 min | 1h | 2h | 3h | 4h | 6h | 8h | 10h | 20h |
| 1,75 | 11,7 | 8,48 | 6,69 | 5,64 | 4,25 | 3,13 | 2,59 | 1,49 | 1,13 | 0,920 | 0,662 | 0,526 | 0,433 | 0,229 |
| 1,70 | 12,6 | 9,04 | 7,04 | 5,88 | 4,40 | 3,24 | 2,66 | 1,52 | 1,16 | 0,940 | 0,675 | 0,533 | 0,442 | 0,233 |
| 1,65 | 13,7 | 9,66 | 7,43 | 6,20 | 4,60 | 3,29 | 2,70 | 1,53 | 1,21 | 0,970 | 0,688 | 0,540 | 0,450 | 0,236 |

U_f - Final voltage



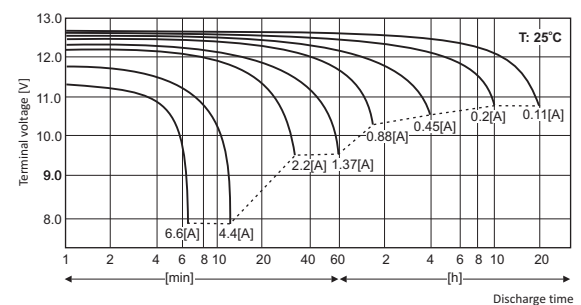
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Main applications

- medical equipment
- fishing lights
- parking meters
- toys

Discharge characteristics



Dimensions

