## Technical specification for TAB traction 2V cells type

# 2V 2PzRM280




**Technical data**

| | |
|---|---|
| Nominal voltage of cells: | 2,0 V |
| Capacity $C_5$: | 280 Ah |
| Discharge current: | $C_5$/5h = 56,0 A |
| Final discharge voltage/cell | 1,70 V/cell |
| Nominal S.G. of electrolyte: | 1,29 ± 0,01 kg/l |
| Rated temperature: | 30°C |
| Specified torque for poll screws: | 20-25 Nm |
| Ventilation requirement | EN IEC 62485-3 |

**Dimensions and weight of the cell** (EN IEC 60254-2)

| | |
|---|---|
| Width (a) | 47 mm |
| Length (b) | 198 mm |
| Height h1 | 686 mm |
| Height h2 | 709 mm |
| Wet weight | 18,5 kg ±5% |

**Design:**

| | |
|---|---|
| Positive electrode | Tubular type with non-woven polyester gauntlet and solid grids |
| Negative electrode | Pasted grid plate with long life expander material in LA-lead alloy |
| Separation | Polyethylene (PE) micro porous separator |
| Electrolyte | Sulphuric acid with a density of 1,29 kg/l |
| Container | Polypropylene (PP) box and lid |
| Pole | Welded type or bolt-on with M10 brass insert |

**Execution of cells and batteries**

| | |
|---|---|
| Flooded - Electrolyte-charged version | A battery /cell can be installed immediately, it is already filled up with electrolyte and electrically charged. |

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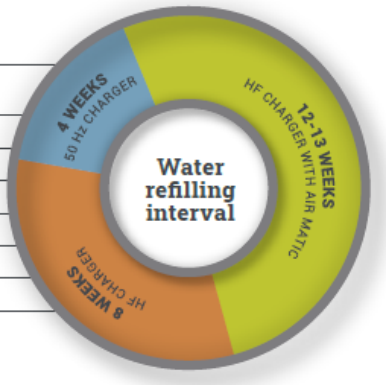
## Recommended optional systems

| TAB AQUALESS | Aqua 1 | Aqua 2 | Aqua 3 |
|---|---|---|---|
| Refilling Interval in weeks | 4 | 8 | 12-13 |
| Charger | 50 Hz | HF | HF + Air Matic |
| Charging Factor | 1.2 | 1.10–1.11 | 1.07–1.08 |
| Electrolyte Level indicator | ● | ● | ● |
| Central Water Filling System | ○ | ○ | ○ |
| Air Matic | ○ | ○ | ● |

Condition: water refilling intervals are based on 80% DOD - 1 cycle per day; 5 days per week

○ OPTIONAL ● SERIAL

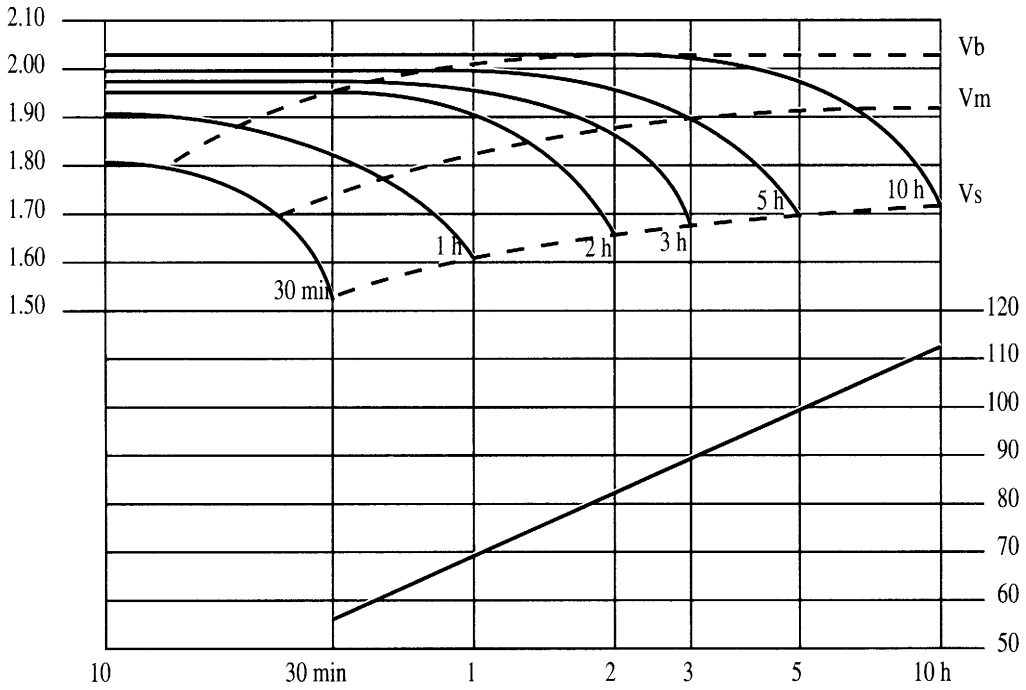



## Discharge characteristics

EN IEC 60254-1 cycles 1500

Depth of discharge (DOD) up to 80%*

* Deep discharges more than 80% DOD or discharges beyond final discharge voltages (dependent on discharge current) should be avoided.




Discharging time

**Cells manufactured to existing ISO 9001, ISO 14001 and EN/IEC 60254 standards.**