



## VTX 1 M 220 - Cell data sheet

### Classification

|                          |             |
|--------------------------|-------------|
| Brand                    | Alcad       |
| Cell type                | VTX 1 M 220 |
| Cell P/N                 | 31-05616-8* |
| Capacity at 5 hours rate | 220 Ah      |
| IEC Designation          | KGM220P     |
| According to IEC 62259   |             |



### Physical data

|                        |        |                         |         |
|------------------------|--------|-------------------------|---------|
| Overall height         | 421 mm |                         |         |
| Width                  | 195 mm | Weight per cell         | 12,0 Kg |
| Length                 |        | Block length - 2 cells  |         |
| Block length - 3 cells |        | Block length - 4 cells  | 352 mm  |
| Block length - 5 cells | 437 mm | Block length - 6 cells  | 522 mm  |
| Block length - 7 cells |        | Block length - 8 cells  |         |
| Block length - 9 cells |        | Block length - 10 cells |         |

### Construction

|                    |                 |                           |                                      |
|--------------------|-----------------|---------------------------|--------------------------------------|
| Container material | Polypropylene   | No. of terminals/polarity | 1                                    |
| Separator type     | Felt            | Terminal material         | Steel                                |
| Connection torque  | 30,0 +/- 3,0 Nm | Vent type                 | low pressure flame<br>arresting vent |
| Terminal size      | M10             |                           |                                      |

### Plates

|                |                            |                |                            |
|----------------|----------------------------|----------------|----------------------------|
| Positive       |                            | Negative       |                            |
| Type of plates | Maintenance Free<br>Pocket | Type of plates | Maintenance Free<br>Pocket |

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### Electrolyte

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|                              |            |                   |       |
|------------------------------|------------|-------------------|-------|
| Electrolyte type: Renewal    | E13        | Max/Min           | 50 mm |
| Electrolyte type: Initial    | E22        | Vent oil quantity |       |
| Electrolyte per cell: Liquid | 2,9 liters |                   |       |

### Connection

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|            |                    |
|------------|--------------------|
| Cable area | 70 mm <sup>2</sup> |
|------------|--------------------|

### Charging

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|                      |             |                         |             |
|----------------------|-------------|-------------------------|-------------|
| Float voltage        | 1,42 V/Cell | High rate voltage (min) | 1,45 V/Cell |
| Single-level voltage | 1,42 V/Cell |                         |             |

### Resistance/Short circuit

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|                     |           |                       |        |
|---------------------|-----------|-----------------------|--------|
| Internal resistance | 0,52 mOhm | Short circuit current | 2365 A |
|---------------------|-----------|-----------------------|--------|