

INFORMATION ON REGULATION (EU) 2023/1542  
 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL  
 Article 10 – Performance and Durability Requirements  
**VRLA Motive Batteries**



| Model            | Rated capacity (Ah) 20Hr to 1.75vpc @ 25C | Capacity Fade (%)  | Max Charge Current (Amps) | Power at 20hr rate (W) | Ratio of nominal battery power (W) and battery energy (Wh) | Power Fade (%) | Power at 80% SOC at 20hr rate (W) | Power at 20% SOC at 20hr rate (W) | Internal resistance ( $\Omega$ ) | Internal resistance increase (%) | Round trip efficiency (%) | Expected life-time cycles, 100% DOD |
|------------------|---|--------------------|---------------------------|------------------------|--|----------------|-----------------------------------|-----------------------------------|----------------------------------|----------------------------------|---------------------------|-------------------------------------|
| T105-AES         | 207                                       | 50% by end of life | 20% of C <sub>20</sub>    | 67                     | 0.05   | 80             | 66                                | 62                                | 0.0019                           | 50                               | 92                        | 1000                                |
| T875-AES         | 158                                       | 50% by end of life | 20% of C <sub>20</sub>    | 68                     | 0.05   | 80             | 67                                | 63                                | 0.0030                           | 50                               | 92                        | 1000                                |
| T1275-AES        | 130                                       | 50% by end of life | 20% of C <sub>20</sub>    | 84                     | 0.05   | 80             | 83                                | 78                                | 0.0043                           | 50                               | 92                        | 1000                                |
| 24-AES           | 76  | 50% by end of life | 20% of C <sub>20</sub>    | 49                     | 0.05   | 80             | 48                                | 45                                |                                  | 50                               | 92                        | 1000                                |
| 27-AES           | 102                                       | 50% by end of life | 20% of C <sub>20</sub>    | 66                     | 0.05   | 80             | 65                                | 61                                |                                  | 50                               | 92                        | 1000                                |
| 31-AES           | 100                                       | 50% by end of life | 20% of C <sub>20</sub>    | 65                     | 0.05   | 80             | 64                                | 60                                | 0.0048                           | 50                               | 92                        | 1000                                |
| OVERDRIVE 31-AES | 104                                       | 50% by end of life | 20% of C <sub>20</sub>    | 67                     | 0.05   | 80             | 66                                | 62                                | 0.0048                           | 50                               | 92                        | 1000                                |
| J185-AES         | 175                                       | 50% by end of life | 20% of C <sub>20</sub>    | 114                    | 0.05   | 80             | 112                               | 105                               | 0.0045                           | 50                               | 92                        | 1000                                |
| J305-AES         | 279                                       | 50% by end of life | 20% of C <sub>20</sub>    | 90                     | 0.05   | 80             | 89                                | 83                                | 0.0017                           | 50                               | 92                        | 1000                                |
| L16-AES          | 355                                       | 50% by end of life | 20% of C <sub>20</sub>    | 115                    | 0.05   | 80             | 113                               | 106                               | 0.0017                           | 50                               | 92                        | 1000                                |



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|-------------|-----|--------------------|------------------------|-----|------|----|-----|-----|--------|----|----|------|
| SAES 06 220 | 207 | 50% by end of life | 20% of C <sub>20</sub> | 67  | 0.05 | 80 | 66  | 62  | 0.0019 | 50 | 92 | 1000 |
| SAES 12 135 | 130 | 50% by end of life | 20% of C <sub>20</sub> | 84  | 0.05 | 80 | 83  | 78  | 0.0043 | 50 | 92 | 1000 |
| SAES 12 105 | 100 | 50% by end of life | 20% of C <sub>20</sub> | 65  | 0.05 | 80 | 64  | 60  | 0.0048 | 50 | 92 | 1000 |
| SAES 12 205 | 175 | 50% by end of life | 20% of C <sub>20</sub> | 114 | 0.05 | 80 | 112 | 105 | 0.0045 | 50 | 92 | 1000 |
| SAES 06 315 | 279 | 50% by end of life | 20% of C <sub>20</sub> | 90  | 0.05 | 80 | 89  | 83  | 0.0017 | 50 | 92 | 1000 |
| SAES 06 375 | 355 | 50% by end of life | 20% of C <sub>20</sub> | 115 | 0.05 | 80 | 113 | 106 | 0.0017 | 50 | 92 | 1000 |

