

Data TDS „RePower09“

| RePower09 Standard                         |                                                  |                      |                |                      |                |                      |
|--------------------------------------------|--------------------------------------------------|----------------------|----------------|----------------------|----------------|----------------------|
|                                            | XS                                               |                      | S              |                      | M              |                      |
| Material number                            | 631197                                           | 631534               | 631198         | 631536               | 631200         | 631538               |
| Application                                | Forklift, E-Truck                                |                      |                |                      |                |                      |
| Dimension length                           | 828 mm                                           |                      |                |                      |                |                      |
| Dimension with                             | 736 mm                                           |                      |                |                      |                |                      |
| Dimension hight                            | 627 mm                                           |                      |                |                      |                |                      |
| Weight                                     | 1013 kg                                          |                      |                |                      |                |                      |
| Cell type / Cathode chemistry              | Prismatic / LFP                                  |                      |                |                      |                |                      |
| Pack configuration                         | 16s1p                                            |                      | 16s2p          |                      | 16s2p          |                      |
| Nominal Energy (25 °C / 0.5 C discharge)   | 15.6 kWh                                         |                      | 23.6 kWh       |                      | 31.1 kWh       |                      |
| Useable energy (25 °C)                     | 14.6 kWh                                         |                      | 22.1 kWh       |                      | 29.3 kWh       |                      |
| Nominal capacity (25 °C / 0.5 C discharge) | 304 Ah                                           |                      | 460 Ah         |                      | 608 Ah         |                      |
| Nominal voltage (0.5 C)                    | 51.2 V                                           |                      |                |                      |                |                      |
| End of charge voltage                      | 55.2 V                                           |                      |                |                      |                |                      |
| End of discharge voltage                   | 41.6 V                                           |                      |                |                      |                |                      |
| Max continuous charge                      | 212 A                                            |                      | 302 A          |                      | 400 A          |                      |
| Max peak charge @30 sec                    | 608 A                                            |                      | 920 A          |                      | 1000 A         |                      |
| Max continuous discharge                   | 304 A                                            |                      | 400 A          |                      | 400 A          |                      |
| Max peak discharge @30 sec                 | 850 A                                            |                      | 1000 A         |                      | 1000 A         |                      |
| Temperature range charge                   | 0 °C ... 45 °C                                   |                      |                |                      |                |                      |
| Temperature range discharge                | 0 °C ... 45 °C                                   |                      |                |                      |                |                      |
| Temperature range storage                  | -35 °C ... 65 °C                                 |                      |                |                      |                |                      |
| Humidity                                   | 5 % ... 85 %                                     |                      |                |                      |                |                      |
| Altitude                                   | ≤2,000 m                                         |                      |                |                      |                |                      |
| Protection class                           | IP54                                             |                      |                |                      |                |                      |
| Certification, approvals                   | UN 38.3; DIN EN 12895; EN 6100-6-4; DIN EN 60529 |                      |                |                      |                |                      |
| Communication                              | CAN Bus                                          |                      |                |                      |                |                      |
| Color                                      | RAL7021                                          |                      |                |                      |                |                      |
| Battery plug                               | REMA<br>MRC320                                   | Schaltbau<br>320/400 | REMA<br>MRC320 | Schaltbau<br>320/400 | REMA<br>MRC320 | Schaltbau<br>320/400 |

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| RePower09 Perform                          |                                                  |                   |             |                   |
|--------------------------------------------|--------------------------------------------------|-------------------|-------------|-------------------|
|                                            | S                                                |                   | M           |                   |
| Material number                            | 631537                                           | 631199            | 631539      | 631201            |
| Application                                | Forklift, E-Truck                                |                   |             |                   |
| Dimension length                           | 830 mm                                           |                   |             |                   |
| Dimension with                             | 738 mm                                           |                   |             |                   |
| Dimension hight                            | 627 mm                                           |                   |             |                   |
| Weight                                     | 1013 kg                                          |                   |             |                   |
| Cell type / Cathode chemistry              | Prismatic / NMC                                  |                   |             |                   |
| Pack configuration                         | 13s5p                                            |                   | 13s9p       |                   |
| Nominal Energy (25 °C / 1/3 C discharge)   | 28.6 kWh                                         |                   | 51.5 kWh    |                   |
| Useable energy (25 °C)                     | 22.9 kWh                                         |                   | 41.2 kWh    |                   |
| Nominal capacity (25 °C / 1/3 C discharge) | 600 Ah                                           |                   | 1080 Ah     |                   |
| Nominal voltage (1/3 C)                    | 47.7 V                                           |                   |             |                   |
| End of charge voltage                      | 53.6 V                                           |                   |             |                   |
| End of discharge voltage                   | 39.0 V                                           |                   |             |                   |
| Max continuous charge                      | 312 A                                            |                   | 400 A       |                   |
| Max peak charge @2 sec                     | 650 A                                            |                   | 1000 A      |                   |
| Max continuous discharge                   | 400 A                                            |                   | 400 A       |                   |
| Max peak discharge @2 sec                  | 1000 A                                           |                   | 1000 A      |                   |
| Temperature range charge                   | -25 °C ... 45 °C                                 |                   |             |                   |
| Temperature range discharge                | -28 °C ... 45 °C                                 |                   |             |                   |
| Temperature range storage                  | -35 °C ... 60 °C                                 |                   |             |                   |
| Humidity                                   | 0 % ... 100 %                                    |                   |             |                   |
| Altitude                                   | ≤2,000 m                                         |                   |             |                   |
| Protection class                           | IP67                                             |                   |             |                   |
| Certification, approvals                   | UN 38.3; DIN EN 12895; EN 6100-6-4; DIN EN 60529 |                   |             |                   |
| Communication                              | CAN Bus                                          |                   |             |                   |
| Color                                      | RAL7021                                          |                   |             |                   |
| Battery plug                               | REMA MRC320                                      | Schaltbau 320/400 | REMA MRC320 | Schaltbau 320/400 |