

technical data

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|---|--|--|--------|
| technology description | Lithium ion battery system (NMC) | | |
| communication interface | CAN-Bus Ethernet | | |
| nom. energy | 23.2 kWh | | |
| nom. voltage | 844 V === | | |
| nom. capacity (0.2C charge 0.2C discharge) | 27.5 Ah | | |
| max. discharge power | 46.4 kW | | |
| cycle life until 80 % SoH (0.5C charge 1C discharge 25 °C) | 1500 @ 80 % DoD | | |
| expected operating life (calendric) | 12 years | | |
| installation site | indoors non-condensing | | |
| IP Code | IP20 (increasing IP Code by using optional accessories) | | |
| protection class | 2 | | |
| interconnection | 1P16S | | |
| standard scope of delivery | energy storage block esbC141S | | 10 qty |
| | energy storage block esbC141E | | 6 qty |
| | control unit ccuHV100U | | 1 qty |
| | Rittal industry cabinet (600 x 1200 x 650 mm) excl. baseaccessories | | 1 qty |
| | | | |
| weight | approx. 290 kg | | |

operating window

| | | | |
|-----------------------------|-------------------|------------------------|---|
| operation mode | | | guided by the State-of-Power (SoP) according to the specifications of the battery management system (BMS) |
| max. charge current | | | 13.8 A (0.5C) |
| end-of-charge current | | | 1.4 A (0.05C) |
| max. discharge current | | | 55 A (2C) |
| rel. humidity | | | < 80 % (temperature-dependent) non-condensing |
| operating temperature range | | | 5 – 40 °C charge 5 – 50 °C discharge |
| operating voltage range | | | 698 – 938 V === |
| temperature range | transport storage | < 1 month < 6 month | -20 – 45 °C -20 – 25 °C |
| max. operating altitude | | | 2 000 m above sea level |



The user manual has to be strictly followed. The operating window of the battery has to be complied with.