

technical data

technology description	Lithium ion battery system (NMC)	
communication interface	CAN-Bus Ethernet	
nom. energy	34.8 kWh	
nom. voltage	422 V $\overline{=}$	
nom. capacity (0.2C charge 0.2C discharge)	82.5 Ah	
max. discharge power	69.6 kW	
cycle life to 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	3P8S	
standard scope of delivery	energy storage block esbC141P	16 pcs.
	energy storage block esbC141E	8 pcs.
	control unit ccuHV200U	1 pcs.
	Rittal industry cabinet (600 x 1200 x 650 mm) excl. base	1 pcs.
	accessories	
weight	approx. 380 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	41.3 A (0.5C)		
end-of-charge current	4.1 A (0.05C)		
max. discharge current	165 A (2C)		
rel. humidity	< 80 % (temperature-dependent) non-condensing		
operating temperature range	5 – 40 °C load 5 – 50 °C unload		
operating voltage range	349 – 469 V $\overline{=}$		
temperature range	transport storage	< 1 month	-20 – 45 °C
		< 6 month	-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.