

technical data

technology description	Lithium ion battery system (NMC)		
communication interface	CAN-Bus Ethernet		
nom. energy	52.8 kWh		
nom. voltage	313 V ---		
nom. capacity (0.2C charge 0.2C discharge)	168.8 Ah		
max. discharge power	62.6 kW		
cycle life until 80 % SoH (0.5C charge 1C discharge 25 °C)	500 @ 100 % 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	8P6S		
standard scope of delivery	energy storage block esbC112S		32 qty
	energy storage block esbC112E		16 qty
	control unit ccuHV200U		1 qty
	Rittal industry cabinet (600 x 2000 x 600 m) excl. base		1 qty
	accessories		
weight	approx. 660 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	135 A (0.8C)		
end-of-charge current	8.4 A (0.05C)		
max. discharge current	200 A (1.2C)		
rel. humidity	< 80 % (temperature-dependent) non-condensing		
operating temperature range	5 – 45 °C charge 5 – 55 °C discharge		
operating voltage range	286 – 351 V ---		
temperature range	transport	< 1 month	-20 – 45 °C
	storage	< 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.