

technical data

technology description	Lithium ion battery system (NMC)		
communication interface	CAN-Bus Ethernet		
nom. energy	40.1 kWh		
nom. voltage	466.2 V ---		
nom. capacity (0.2C charge 0.2C discharge)	86 Ah		
nom. discharge power	93.2 kW		
cycle life until 80 % SoH (1C charge 2C discharge 25 °C)	> 10.000 @ 80 % DoD		
expected operating life (calendric)	12 years		
installation site	indoors non-condensing		
IP code	IP20 (increasing degree of protection by using optional accessories)		
protection class	2		
interconnection	1P9S		
standard scope of delivery	energy storage block esbL44E		9 qty
	control unit ccuHV200U		1 qty
	Rittal industry cabinet (800 x 2000 x 600 mm) excl. base		1 qty
	accessories		
weight	approx. 579.7 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	154.8 A (1.8C)		
end-of-charge current	4.3 A (0.05C)		
max. discharge current	197.8 A (2.3C)		
rel. humidity	< 80 % (temperature-dependent) non-condensing		
operating temperature range	5 – 50 °C charge 5 - 55 °C discharge		
operating voltage range	385 – 527 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.