

## technical data

technology description	Lithium ion battery system (NMC)		
communication interface	CAN-Bus   Ethernet		
nom. energy	87.6 kWh		
nom. voltage	618 V $\text{=}$		
nom. capacity (0.2C charge   0.2C discharge)	140 Ah		
nom. discharge power	87.6 kW		
cycle life until 80 % SoH (0.2C charge   0.33C discharge [25 °C])	> 3.000 @ 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	1P12S		
standard scope of delivery	energy storage block esbL73E		12 qty
	control unit ccuHV200U		1 qty
	Rittal industry cabinet (800 x 2000 x 600 mm) excl. base		1 qty
	accessories		
weight	approx. 739.6 kg		

## operation window

operation mode	guided by the State-of-Power (SoP) according to the specifications of the battery management system (BMS)		
max. charge current	42 A (0.3C)		
end-of-charge current	7 A (0.05C)		
max. discharge current	140 A (1C)		
rel. humidity	< 80 % (temperature-dependent)   non-condensing		
operating temperature range	5 – 40 °C charge   5 – 40 °C discharge		
operating voltage range	513 – 703 V $\text{=}$		
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.