

Technical data

technology description	Lithium ion battery system (NMC)	
communication interface	CAN-Bus Ethernet	
nom. energy	2x 93.0 kWh	
nom. voltage	775.0 V =	
nom. capacity	2x 120.0 Ah	
max. discharge power (at nom. voltage)	2x 148.8 kW	
usable DoD	100 %	
expected cycles	(< 35 °C 70 % SOH) > 6500 @ 90 % DoD > 10000 @ 80 % DoD	
expected operating life (calendric)	> 12 years	
installation site	indoors non-condensing	
IP Code	IP 20 (increasing IP Code by using optional accessories)	
protection class	2	
interconnection	2x 1P15S	
standard scope of delivery	energy storage block esbL62E	30 qty
	control unit ccuHV200U	2 qty
	Rittal industry cabinet (800 x 2000 x 600 mm) excl. base	3 qty
	Accessories	
weight	approx. 2,200 kg	
EU directives	2006/66/EG (BattG), 2014/30/EU (EMC), 2014/35/EU (LVD), 2011/65/EU, 2015/863/EU (RoHS)	
norms and standards	DIN EN 62619, UN 38.3, DIN EN 61010-1, DIN EN 61000-6-2/4, DIN EN ISO 13849-1	

Operating window

operation mode	guided by the State-of-Power (SoP) according to the specifications of the battery management system (BMS)	
max. charge current	195.0 A (1.6C)	
end-of-charge current	6.0 A (0.05C)	
max. discharge current	195.0 A (1.6C)	
rel. humidity	< 80 % (temperature-dependent) non-condensing	
operating temperature range	-15 – 50 °C charge -15 – 50 °C discharge	
operating voltage range	654.0 – 873.0 V =	
temperature range	transport	< 1 month
	storage	< 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.

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