

Technical data

technology description	Lithium ion battery system (NMC)		
communication interface	CAN-Bus Ethernet		
nom. energy	86.8 kWh		
nom. voltage	723.0 V $\approx$		
nom. capacity	120.0 Ah		
max. discharge power (at nom. voltage)	138.9 kW		
usable DoD	100 %		
expected cycles	(< 35 °C 70 % SOH) > 6,500 @ 90 % DoD > 10,000 @ 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	1P14S		
standard scope of delivery	energy storage block esbL62E		14 qty
	control unit ccuHV200U		1 qty
	Rittal industry cabinet		
	(1,000 x 2,000 x 600 mm) excl. base		1 qty
	Accessories		
weight	approx. 844.8 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			611.0 – 815.0 V $\approx$
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.