Commeo HV Energy | 750 V | 109.5 kWh

esr2010U750B5L73E15

commeo energy storage solutions

technical data

technology description	Lithium ion battery system (NMC)
communication interface	CAN-Bus | Ethernet
nom. energy	109.5 kWh
nom. voltage	773 V ⎓
nom. capacity (0.2C charge | 0.2C discharge)	140 Ah
nom. discharge power	109.5 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 degree of protection by using optional accessories)
protection class	2
interconnection	1P15S
standard scope of delivery	energy storage block esbL73E 15 qty control unit ccuHV200U 1 qty Rittal industry cabinet (1000 x 2000 x 600 mm) excl. base 1 qty accessories
weight	approx. 899.5 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			641 – 879 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.

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