Commeo HV-C Smart Power System | 782 V | 49.5 kWh

esr20U750B8C112E15S30

Technical data

technology description	Lithium ion battery system (NMC)
communication interface	CAN-Bus | Ethernet
nom. energy	49.5 kWh
nom. voltage	782.0 V ⎓
nom. capacity	63.3 Ah
max. discharge power (at nom. voltage)	156.4 kW
expected cycles	(0.8C charge | 3.2C discharge | 25 °C | 80 % SOH) 1,200 @ 100 % 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	3P15S
standard scope of delivery	energy storage block esbC112S 30 qty energy storage block esbC112E 15 qty control unit ccuHV200U 1 qty Rittal industry cabinet (600 x 2000 x 600 mm) excl. base accessories 1 qty
weight	approx. 636.8 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			50.6 A (0.8C)
end-of-charge current			3.2 A (0.05C)
max. discharge current			200.0 A (3.2C)
rel. humidity			< 80 % (temperature-dependent) | non-condensing
operating temperature range			5 – 45°C charge | 5 – 55 °C discharge
operating voltage range			714.0 – 874.0 V ⎓
temperature range	transport	< 1 month	-20 – 40 °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.

Commeo GmbH
Otto-Lilienthal-Straße 8
49134 Wallenhorst, Germany

www.commeo.com

21-013EN
07/2022

Errors and omissions excepted - valid until revoked