

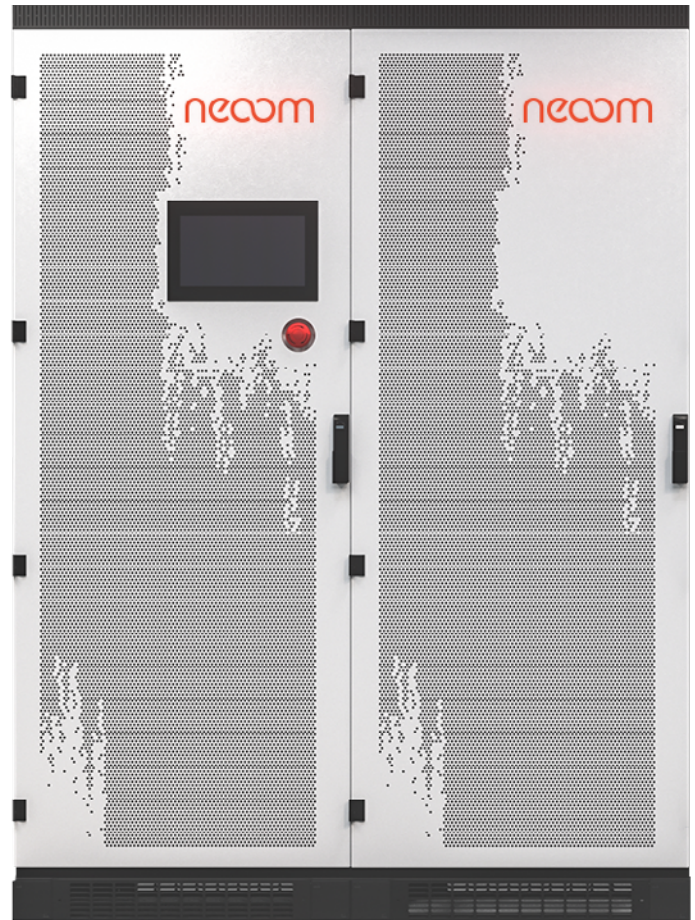
# NEOOM BLOKK

## MASTER BLOKK

16 kW - 300 kW

## BATTERY BLOKK LFP

31 kWh - 3 MWh



### SCOPE OF DELIVERY

- Connection cable
- Cabinet key
- Installation manual

### MAIN AC-CONNECTION

Grid connection	for feeder line min. 5 × 10 mm <sup>2</sup> max. 2 × (5 × 1 × 240 mm <sup>2</sup> )
Nominal voltage	230 V / 400 V
Nominal current	61 A, 3 phase (230 V / 400 V), max. 500 A, 3 phase
Nominal frequency	50 / 60 Hz
Connection	main connection clamp ZK 70/50 / busbar with cable lug / circuit breaker

### CHARGE / DISCHARGE POWER

Charge power	16-300 kW, max. 4 systems parallel (1.2 MW)
Discharge power	16-300 kW, max. 4 systems parallel (1.2 MW)
Maximum charge current	25-500 A per phase (400 V)

### PROTECTION

Main connection point	circuit breaker
DC fault protection	DC fuse, DC power relays
Protection measures	overload, over voltage, over current, under voltage
Energy meter	current transformer, alternati- ve meter clamps EM340 MID conformity
Safety	emergency switch

CAPACITY / POWER	31.2 kWh	46.2 kWh	62.4 kWh	99.5 kWh	138.6 kWh	199.0 kWh	231.0 kWh	298.5 kWh	398.0 kWh	497.5 kWh	597.0 kWh	696.5 kWh	796.0 kWh
16 kW	✓	✓	✓										
36 kW		✓	✓	✓	✓								
55 kW			✓	✓	✓	✓	✓	✓					
80 kW				✓	✓	✓	✓	✓	✓	✓			
120 kW					✓	✓	✓	✓	✓	✓	✓	✓	✓
160 kW						✓	✓	✓	✓	✓	✓	✓	✓
235 kW								✓	✓	✓	✓	✓	✓
300 kW									✓	✓	✓	✓	✓
BATTERY	1x P31	1x P46	2x P31	1x P99	3x P46	2x P99	6x P46	3x P99	4x P99	5x P99	6x P99	7x P99	8x P99

### CHARGE CONTROL | MONITORING

Interface	MQTT, Modbus TCP, Modbus RTU, REST (Representational State Transfer)
Touch panel	13.3"
Communication	LAN, WLAN
Communication protocol	Modbus TCP, TCP/IP
Visualization operation mode	via touch panel
Functional state	graphical display
Physical interface	Ethernet, GSM (3G/4G LTE), remote signalling contact

### OPERATING CONDITIONS

Ambient temperature: warehousing / transport	-20 bis 60°C
Ambient temperature: operation	recomm. 15 to 25°C, max. 10 to 40°C
Relative humidity	0 to 92%, non-condensing
Protection class	I
Cooling	passive ventilation, Optional: active cooling
Noise emission	< 61 dB
Cabinet protection rating	Indoor IP20

### STANDARDS

VDE-AR-E 2510-2, VDE-AR-E 2510-50, VDE-AR-N 4105, VDE-AR-N 4100, VDE-AR-N 4110

### MASTER BLOKK (MAB)

Cabinet type	floor mounted
Mounting	screw mounting
Cabinet Colour	RAL 9016
Material	powder coated sheet metal
Safety	lock
Dimensions (w × h × d)	16 - 55 kW <sup>1)</sup> 800 mm × 2160 mm × 600 mm 800 mm × 2360 mm × 600 mm  80 - 120 kW <sup>1)</sup> 1000 mm × 2160 mm × 800 mm 1000 mm × 2360 mm × 800 mm  160 kW <sup>1)</sup> 1200 mm × 2160 mm × 1000 mm 1200 mm × 2360 mm × 1000 mm  235 - 300 kW <sup>1)</sup> 1200 - 2400 mm × 2160 mm × 1000 mm 1200 - 2400 mm × 2360 mm × 1000 mm
	<sup>1)</sup> Dimensions are adjusted to the BATTERY BLOKK.
Weight	250 - 450 kg

**BATTERY BLOKK P31  
(HVDC BATTERY + BMS + BMU)**

Battery cell chemistry	LFP
Battery BLOKK's / Master	1 / 2 / 3 / 4 / 5 / 6
Nominal energy capacity	31.2 to 187.2 kWh
Useable energy capacity	28.1 to 168.5 kWh
Material	powder coated sheet metal
Dimensions (w × h × d)	800 mm × 2100 mm × 600 mm
Weight	470 kg
Warranty	2 years, 10 years manufacturer warranty for battery modules*

**BATTERY BLOKK P99  
(HVDC BATTERY + BMS + BMU)**

Battery cell chemistry	LFP
Battery BLOKK's / Master	1 up to 32
Nominal energy capacity	99,5 to 3 MWh
Usable energy capacity	89,6 bis zu 2,73 MW
Material	powder coated sheet metal
Dimensions (w × h × d)	1000 mm × 2160 mm × 800 mm
Weight	1200 kg
Warranty	2 years, 10 years manufacturer warranty for battery modules*

**BATTERY BLOKK P46  
(HVDC BATTERY + BMS + BMU)**

Battery cell chemistry	LFP
Battery BLOKK's / Master	1 / 2 / 3 / 4 / 5 / 6
Nominal energy capacity	46.2 to 276.9 kWh
Usable energy capacity	41.5 to 249.2 kWh
Material	powder coated sheet metal
Dimensions (w × h × d)	800 mm × 2360 mm × 600 mm
Weight	580 kg
Warranty	2 years, 10 years manufacturer warranty for battery modules*

\* The manufacturer warranty of 10 years is available in Austria, Germany and on selected markets.