WE
POWER
THE FUTURE

PRECURSOR

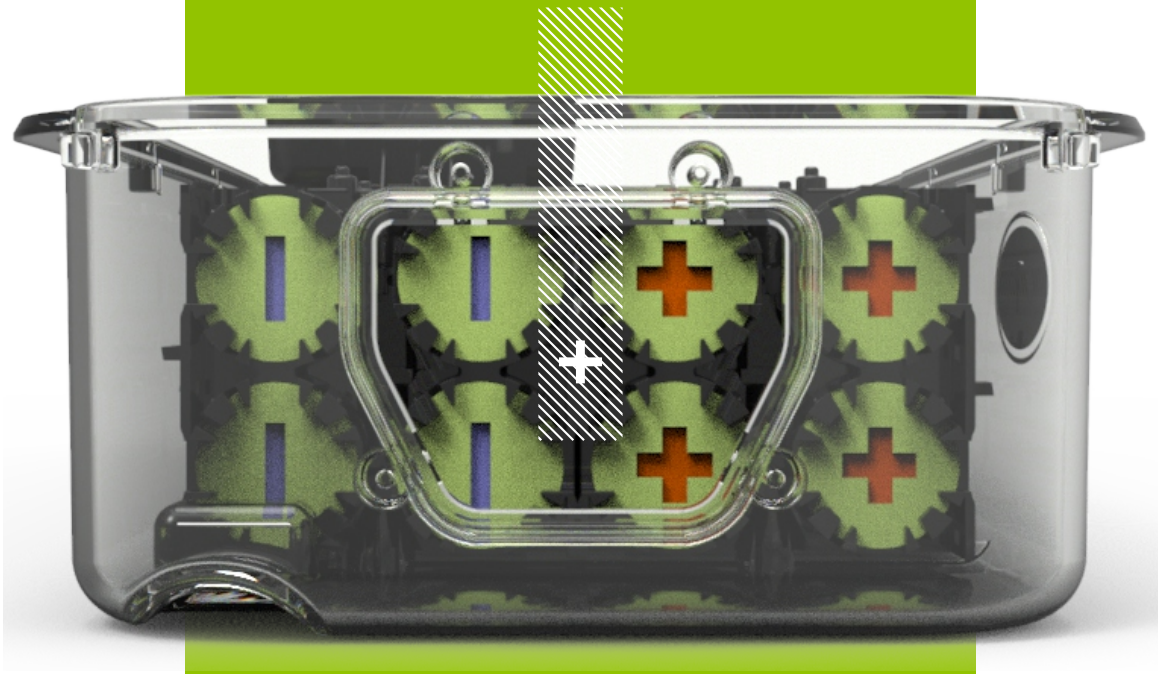
10S 2P

10S 3P

10S 4P

E-BIKE Battery Solutions
Data Sheet

BMZ
DRIVE SYSTEMS



PRECURSOR

PRE**CURSOR** PLATFORM
CUTTING EDGE SOLUTIONS

Range: up to 200 km

Customized housing options

Warranty: up to 4 years

Smart App. iOS ANDROID

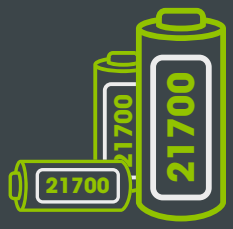
Rapid product development
6 months

Multiple motor compatibility
Brose / Shimano / Dapu

Flexible system architecture

40 % greater capacity

21700 New generation of cells



PRE**CURSOR** 10S 2P

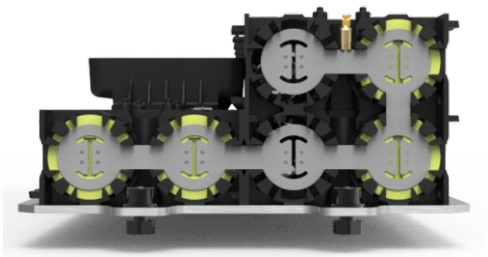
Battery specification

Cell type	BMZ 21700 50EL
Cell connection (in series/in parallel)	10S 2P
Voltage (nominal)	36 V
Capacity (nominal)	10 Ah
Energy	360 Wh
Nominal discharge current	20 A
Max. charge current / delay	5 A / 5 s
Cell balancing	✓
SOC (state of charge) display	✓
Motor	Brose 25 km/h, SHIMANO
Communication	CAN - BUS, UART, RS485, RS232, BLE
Type of charging plug	RoPD® – Rosenberger Power Data Connectors
Type of discharging plug	RoPD® – Rosenberger Power Data Connectors
Operating temp. charge	0 to + 45°C
Operating temp. discharge	-20 to + 55°C
Storage temperature (recommended)	18°C to 25°C

BMZ Item number: 038157-00

battery housing

cross section

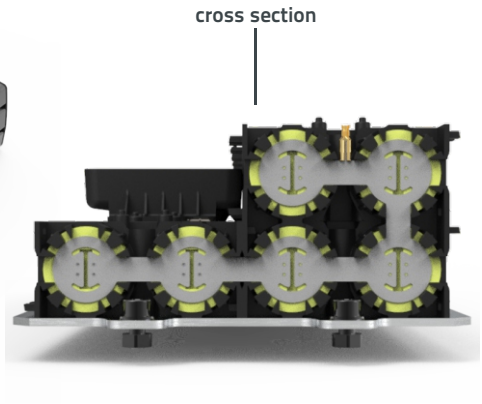


PRE**CURSOR** 10S 3P

Battery specification

Cell type	BMZ 21700 50EL
Cell connection (in series/in parallel)	10S 3P
Voltage (nominal)	36 V
Capacity (nominal)	15 Ah
Energy	540 Wh
Nominal discharge current	30 A
Max. charge current / delay	5 A / 5 s
Cell balancing	✓
SOC (state of charge) display	✓
Motor	Brose 25 km/h, SHIMANO
Communication	CAN - BUS, UART, RS485, RS232, BLE
Type of charging plug	RoPD® – Rosenberger Power Data Connectors
Type of discharging plug	RoPD® – Rosenberger Power Data Connectors
Operating temp. charge	0 to + 45°C
Operating temp. discharge	-20 to + 55°C
Storage temperature (recommended)	18°C to 25°C

BMZ Item number: 038158-00

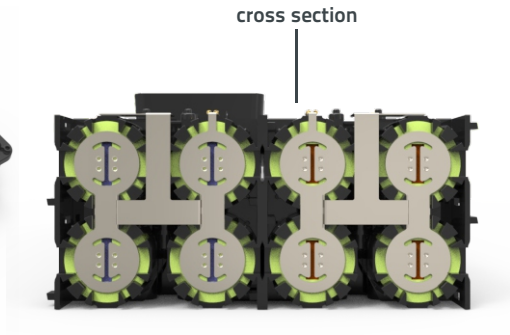


PRE**CURSOR** 10S 4P

Battery specification

Cell type	BMZ 21700 50EL
Cell connection (in series/in parallel)	10S 4P
Voltage (nominal)	36 V
Capacity (nominal)	20 Ah
Energy	720 Wh
Nominal discharge current	40 A
Max. charge current / delay	5 A / 5 s
Cell balancing	✓
SOC (state of charge) display	✓
Motor	Brose 25/45 km/h, SHIMANO
Communication	CAN - BUS, UART, RS485, RS232, BLE
Type of charging plug	RoPD® – Rosenberger Power Data Connectors
Type of discharging plug	RoPD® – Rosenberger Power Data Connectors
Operating temp. charge	0 to + 45°C
Operating temp. discharge	-20 to + 55°C
Storage temperature (recommended)	18°C to 25°C

BMZ Item number: 034842-00

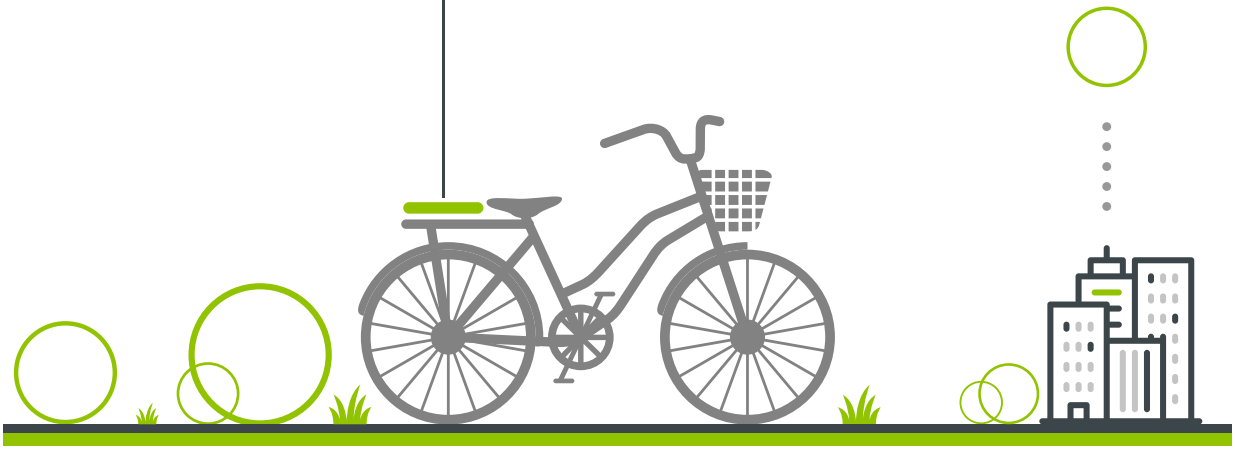


BMZ DRIVE SYSTEMS

PRECURSOR

WE POWER THE FUTURE

Battery location



bmz-group.com

Range: up to 200 km

iOS · · · · ANDROID

Smart App.

Warranty: up to 4 years

PRECURSOR

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