

Battery
48V



The *core* for more.



Brose Battery 48V

- Preliminary dimensions: 385 x 83 x 64 mm
- Capacity: 468 Wh and 814 Wh
- Aluminium housing
- One form factor and flexible mounting options, removable, external charge plug

Product type	Brose Battery 48V
Manufacturer	Brose
Weight	13s2p: 3.0 kg 13s3p: 4.1 kg
Dimensions L/H/W (mm)	385 x 84 x 64 battery with preliminary tolerances
Ingress protection (sealing)	IP56
Housing material	Aluminium black colored Plastic end cap
Capacity (nominal)	13s2p: 468 Wh 13s3p: 814 Wh
Voltage	48 V
Max. charge power	350 W
Continuous discharge	20 A
Charge cycles	700 full load cycles with 80 % remaining capacity
Plugs	Brose proprietary

Compatibility	Brose 48V Drive
Installation type	Integrated / Downtube
Communication	CAN Bus (Brose Protocol)
Certification	UN 38.3 / IEC 62133 / EN 15194 / ISO 13849 / UL 2271 / 50604
Operating temperature	Charge: 0 to +45 °C (amb. temp.) / Discharge: -10 to +60 °C (amb. temp.)
Warranty	2 years

Smart Fast-Charger

Charge power	220 - 250 W with CAN communication and smart charging programs
Compatibility	Brose 48V Battery
Certification countries	EN 60335 / EN 55014 / FCC / UL 1012

Disclaimer: Details may still be optimized, therefore these are preliminary figures.

New Concept Drive

Our next step: stepless.



Brose Concept Drive

- New automatic shifting champion
- Perfect ratio in all driving situations
- Smooth, smart and strong
- Elimination of mechanical gearing components (gear hub, rear derailleur, etc.)
- Perfect solution for all City & Trekking E-Bikes



Product name	Brose Concept Drive
Weight	4.9 kg
Dimensions L/H/W (mm)	256 x 183 x 121 (housing) 158 mm axle width
Rated voltage	48 V
Continuous rated power	250 W
Torque	60 Nm

Maximum assistance	410 %
Maximum Gearbox spread	420 %
Assistance up to	25 km/h and 28 mph
Walk assist up to	6 km/h
Ingress protection (sealing)	IP56

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New Drive³ Peak

Electrified by higher standards.



Brose Drive³ Peak

- Best-in-class performance
- Exceptional ride feeling
- Optimized design and integration
- Optimized noise behaviour



Product name	Brose Drive ³ Peak
Weight	2.9 kg
Dimensions L/H/W (mm)	219 x 134 x 98 (housing) 136 mm axle width
Rated voltage	48 V
Continuous rated power	250 W

Torque	95 Nm
Maximum assistance	410 %
Assistance up to	25 km/h
Walk assist up to	6 km/h

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New Drive H_{Mag}

Weights nothing; moves everything.



Brose Drive H_{Mag}

- Perfect drive unit for Cargo-Bikes up to 250 kg
- Strong and powerful
- Very good support when starting uphill, walking assist up to 6 km/h



Product name	Brose Drive H _{Mag}
Part number	horizontal G57094-100 vertical G57093-100
Weight	2.9 kg
Dimensions L/H/W (mm)	horizontal 204 x 115 x 99 (housing) 150 mm axle width vertical 198 x 137 x 99 (housing) 150 mm axle width
Rated voltage	36 V
Continuous rated power	250 W

Torque	90 Nm
Maximum assistance	410 %
Assistance up to	25 km/h
Walk assist up to	6 km/h
Light source	Front light 2 A x 12 V = 24 W* Rear light 2 A x 12 V = 24 W* *depending on overall system
Ingress protection (sealing)	IP56
Max. system weight	250 kg
Start of Production	January 1st, 2023

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New Drive Reman

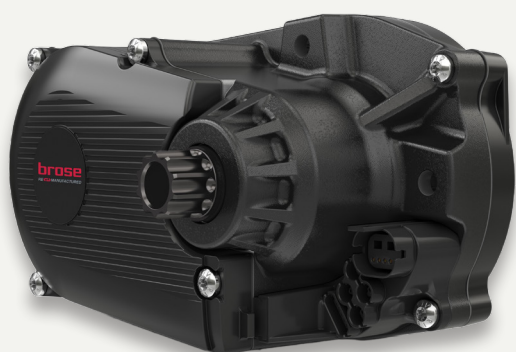
brose

When E-Bikes become Re-Bikes.



Brose Drive Remanufactured

- Sustainable riding with min. 21 kg CO₂-eq saving
- Lower-cost riding with refurbished components
- Safe riding with the same Brose quality standards



Product name	Brose Drive Remanufactured	
Part number	Each remanufactured drive variant has its own material number	
Weight	2.9 kg	
Dimensions L/H/W (mm)	horizontal	204 x 115 x 99 (housing) 150 mm axle width
	vertical	198 x 137 x 99 (housing) 150 mm axle width
Rated voltage	36 V	
Continuous rated power	250 W	

Torque	50 – 90 Nm, depending on drive variants	
Maximum assistance	280 – 410 %, depending on drive variants	
Assistance up to	25 km/h	
Walk assist up to	6 km/h	
Light source	Front light	2 A x 12 V = 24 W*
	Rear light	2 A x 12 V = 24 W*
	*depending on overall system	
Ingress protection (sealing)	IP56	
Start of Production	Q2 2023	
Available for the following drive variants	S _{Mag V} / S _{Mag H} / C _{Mag H} / T _{Mag V} /	
	S _{Alu} / T _{Alu} / C _{Alu}	

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Control Allround

The all-in-one fun.



+ Brose Control Allround

- Increased display area
- Improved readability and reduced reflection
- Optimized ergonomics and haptics
- USB-C port: charging devices and service interface
- Mounting: open semicircle

Product name	Brose Control Allround
Display	1.9" TFT colour display (320 x 170 px)
Dimensions L/H/W (mm)	55 x 48 x 53
Diameter handlebar (mm)	22.2
Electrical data	12 V / max. 10 W
Operating and storage temperature	-10 °C to +60 °C
Protection class	IPX7 (HMI) waterproof
CAN Interface	Highspeed-CAN

Certification	CE / ROHS / Reach / Bluetooth Countries: Canada, EU, Switzerland, USA
Bluetooth	5.0
Operation buttons	On/Off / Assist level (+/-) / Walk assist / Menu / Light On/Off
Position on handlebar	Left side
Displayed information	Battery charge level / Assistance level / Speed / Trip information / Kilometre counter / Range / Walk assist / Light on/automatic / Error information / Service information / Time
Additional functions	Light sensor / Bluetooth / USB-C

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Control Remote

Upshift your expectations.



Brose Control Remote

- Smart remote for Brose Control Integrate
- Wireless
- Next-level ergonomics based on rider feedback
- Easy bike assembly



Product name	Brose Control Remote
Dimensions L/H/W (mm)	41 x 45 x 25
Diameter handlebar (mm)	22.2
Power supply	Button cell (changeable)
Operating and storage temperature	-10 °C to +60 °C
Protection class	IPX7 (HMI) waterproof

Certification	CE / ROHS / Reach / Bluetooth Countries: Canada, EU, Switzerland, USA
Bluetooth	5.0 (for wireless communication with Brose Control Integrate)
Operation buttons	Assist level (+/-) / Walk assist / Menu / Light On/Off
Position on handlebar	Left side
Displayed information	Connection

Disclaimer: Details may still be optimized, therefore these are preliminary figures.

Control Integrate



Displays the progress.



Brose Control Integrate

- Designed for an advanced handling and control in combination with Control Remote
- Improved readability and reduced reflection
- USB-C port: charging devices and service interface
- Flat integration into the top tube
- Smaller connector for better cable routing

Product name	Brose Control Integrate
Display	2" TFT colour display (320 x 240 px)
Dimensions L/H/W (mm)	77 x 12 x 40
Diameter handlebar (mm)	31.8
Electrical data	12 V / max. 10 W
Operating and storage temperature	-10 °C to +60 °C
Protection class	IPX7 (HMI) waterproof
CAN Interface	Highspeed-CAN

Certification	CE / ROHS / Reach / Bluetooth Countries: Canada, EU, Switzerland, USA
Bluetooth	5.0
Operation buttons	Operation works via the wireless connected Brose Control Remote
Position	For mounting into the top tube
Displayed information	Battery charge level / Assistance level / Speed / Trip information / Kilometre counter / Range / Walk assist / Light on/automatic / Error information / Service information / Time
Additional functions	Light sensor / Bluetooth / USB-C

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