

# Brose Battery 630

## The robust bundle of energy



The new Brose Battery 630 is optimally synced with the Brose Drive System. Connected to the specially developed, very robust Brose plug, it has a nominal capacity of 17 ampere-hours at 36 volts, providing an energy storage capacity of 630 watt-hours. The Brose Battery 630 measures a slim 387 × 84 × 72 millimeters and only weighs 3.8 kilogrammes. The housing, made of black anodised aluminium, is robust and scratch-resistant.

The Brose Battery 630 fits perfectly into the e-bike frame and can still be removed easily. The patented locking system offers two major benefits: the battery remains securely mounted, even during the most extreme riding conditions, and for removal, only one lock needs to be opened.

### Battery

Product name	Brose Battery 630
Part number	// E48173 (complete assembly only drawing) Order numbers // E41226 (battery) // E74745 (subframe) // E74743 (frame charging port) // E67261 (charger) // E67262 (charger cable EU) // E96449 (charger cable USA) // E96448 (charger cable GB) // E96449 (charger cable Australia)
Manufacturer	Brose
Weight	3.8 kg (battery) + 0.8 kg (subframe)
Dimensions	// 447 mm × 84 mm × 84 mm (with subframe) // 387 mm × 84 mm × 72 mm (without subframe)
Ingress protection (sealing)	IPX5
Housing material	// Black anodised aluminium // Plastic end cap
Cell type	18650 Samsung SDI 35 E
Material subframe	Aluminium
Battery level indicator	4 LEDs: // 75 % ~ 100 % // 50 % ~ 74 % // 25 % ~ 49 % // 5 % ~ 24 % // 0 % ~ 4 %
Capacity (nominal)	// 630 Wh // 17 Ah // 10 S // 5 P
Voltage	36 V

Max. charge current	4 A
Discharge	18.8 A
Charge cycles	700 full load cycles with 60 % remaining capacity
Plugs	Brose proprietary
Compatibility	Brose Drive
Installation type	// Integrated // Downtube
Lock	Abus (via Brose)
Communication	CAN Bus (Brose Protocol)
OEM supply	2020
Certification	// UN 38.3 // IEC 62133 // EN 15194 // ISO 13849
Operating temperature	// Charge: 0 to +45 °C (ambient temperature) // Discharge: -10 to +60 °C (ambient temperature)
Warranty	2 years

### Charger

Charge current	4 A
Compatibility	Brose Battery 630
Dimensions	180 mm × 80 mm × 40 mm
Certification for the following countries	// EN 60335 // EN 55014 // FCC // UL1012 // IEC60335 // AS/NZS 60335.2.29 // AS/NZS CISPR 14.1