

Brompton – nano

– the electric bike kit for the Brompton!

*Convert the
world's best
folding bike
...*



*... to the
world's best
folding
electric bike!*



The Brompton–nano[®] is an electric bike kit specially designed for the Brompton folding bicycle. Using our small powerful nano[®] hub motor the Brompton–nano[®] gives the rider the extra assistance that takes out the effect of hills and headwinds, enabling you to arrive at your destination without the sweat!

- The Brompton – nano[®] can effortlessly propel the rider to around 12mph, with or without the rider undertaking any additional peddling.
- nano[®] motor's free-wheeling capability and relative lightweight make it easy to pedal without electric power.
- A range of different battery options giving a range, depending upon terrain and the amount of peddling, of between 5 and 40+ miles.
- Controller supports all battery types and capacities enabling complete freedom of battery choice.
- The nano–motor[®] adds an additional 2.2Kg to the bike while the battery will typically add 2.7Kg in our recommended configuration.
- Unobtrusive, near silent operation.
- The preferred location for the battery is in the front luggage bag this can be dropped on a specially converted luggage block to make the electrical connection without the need to connect wires.

Twist grip throttle –
simply twist and go!

Specially adapted
luggage connects
power to the motor
when bag dropped
in position.



Battery sits in
bottom of front
luggage bag

nano motor built
into new wheel

- The folding capability of the Brompton remains unchanged without any additional steps or time required. By splitting the extra weight between bike and luggage bag the portability of the Brompton is maintained.

Fitting

Fitting can be undertaken by anyone competent at diy with some familiarity with bike maintenance in approximately 2-3 hours by following the supplied instructions. We recommend you get the bike checked by your local bike shop once you have installed the nano motor. Alternatively fitting can be undertaken by us at our workshop in Marlborough, Wiltshire.

What is included?

The standard Brompton – nano[®] kit costs £340, including VAT and UK mainland delivery and comprises:

- nano–motor[®] fitted in new wheel.
- Specially widened front forks (The existing forks are not wide enough to accommodate the nano–motor[®])
- Controller, used to feed the required amount of power, as determined by the setting of the twist grip, from the battery to the motor.
- All necessary additional wiring.
- Twist grip throttle (and matching handlebar grip for other side).
- Luggage block, converted to take electrical contacts.
- Fitting instructions.

What is not included?

- The Brompton bike.
- Tyre and inner tube.
- Front luggage bag
- Tools for fitting.
- Battery

Battery options

Battery type	Power	Number of recharge cycles (to retain at least 75% capacity)	Recharge time	Approximate range	Weight	Miles per Kg	Cost, including case, charger and case and VAT
NiMh	9A/h	400	~6 hours	20 miles	5.1Kg	3.9 miles	£305
LiPo	7Ah	600	~4 hours	17.5 miles	2.7Kg	6.5 miles	£330

Order

Please contact us if you have any questions or special requirements. We require a deposit of 25% with placement of order and the balance paid prior to delivery. We accept payment by bank transfer, cheque or Paypal.

Guarantee

Both the motor kit and battery are guaranteed for one year. If you are not happy with your kit for any reason please return it to us in an as new condition and we will refund your money less any shipping charges.

Technical specification

Type	Geared, brushless motor	Max Efficiency	≥ 78 %
Voltage	36V	Motor Speed	260 rpm
Hub Motor Diameter	≤ 120 mm	Bike speed on 16" wheel	20 kph/12.4 mph
Output Power	200 W	Weight	≤ 2.3 kg
Rated Output Current	5.5 Amps		

Contact details

Web: www.nano-motor.co.uk
Email: sales@nano-motor.co.uk
Address (Office Only): 52 High Street, Marlborough, Wiltshire, SN8 1HQ
Tel 07974 723994 / 07974 723996 or 01672 512404 / 861186