

Panasonic
INDUSTRY

E-Bike Systems

Panasonic Cycle Technology

Products 2022



OBLIGED TO OUR HERITAGE, DEVOTED TO THE FUTURE OF MOBILITY.

Since Panasonic established the bicycle manufacturing company in 1952, we have concentrated on bicycle research, development, manufacturing and sales. We have combined our bicycle technology with the latest electrical power technology as part of our dedication to provide a more comfortable life. This pushes your experience of cycling to a whole new level.

Bicycle Manufacturer “Panasonic Cycle Technology Co., Ltd.”

At our Japanese factory, we operate a fully integrated manufacturing process from motor to completed bicycle.



Motor Units
Display
Cooperations

1952

Began manufacturing and selling bicycles in Japan

1979



First e-Bike

1996

Launched an electric assist bicycle (pedelec) in Japan

2000

Began distribution e-Bike systems in Europe

2002

Launched first ever Lithium-ion powered e-Bike in Japan

2012

Launched rear hub motor system (48V) in Europe



2013

Launched one axle centre motor unit system in Europe



2014

Launched front hub motor system in Europe



2016

Launched “Multi Speed Assist System” and “Semi-Integrated Design Battery” in Europe

2017

Launched new display & remote in Europe



2018

Launched GX Ultimate motor unit in Europe



2019

Launched GX Power motor unit in Europe



2020

Launched GX Power Plus motor unit in Europe

2021

Launched new side color display



e-Bike NOW in Japan



e-MTB

The motor power offers everyone to climb even highest peaks.
A constant and powerful support even on steep ramps gives every rider the feeling of success.

POSSIBLE. AND BEYOND.

GXUltimate



90Nm



Approx.
2.95kg



q-factor
165.8mm



e-MTB
Trekking

To maximize the pleasure of riding an **e-mountainbike**, the best in class motor with 90Nm offers more than enough power at inclines and on rough terrain. Due to the low weight of only about 2.95kg and its slim design, the **GX Ultimate** is the perfect choice for an **e-mountainbike**. Even at low cadence, the motor unit provides strong power delivery constantly. With 90Nm, the **GX Ultimate** is one of the strongest motor units in its class and supports the cyclist even in the most demanding riding conditions.



Specifications

Torque:	90Nm
Weight:	Approx. 2.95kg
Voltage:	36V
Output:	250W

Optimized and compact design
for enhanced ground clearance.

Trekking

The great power delivery for the rider that needs more support - especially for demanding forest and gravel tracks. The **GX Power Plus** offers a perfect package.

ENJOY THE EXTRA MILE.

GXPower Plus



75Nm



Approx.
3.2kg



q-factor
191mm



Trekking
Urban

Discover what life has to offer elsewhere: For everyone having a passion for nature, gravel roads - or just getting far, far away the **GX Power Plus** offers the perfect package:

With 75Nm of torque and a weight of just over 3kg it is ideal for modern sportive and trekking bikes.



Specifications

Torque:	75Nm
Weight:	Approx. 3.2kg
Voltage:	36V
Output:	250W

! The GX Power Plus is also adaptable for e-bikes equipped with a coaster brake.

Urban

For effortless riding with Comfort and Urban bikes, the **GX Power** supports all needs.

THE NEW DAILY.

GXPower



60Nm



Approx.
3.2kg



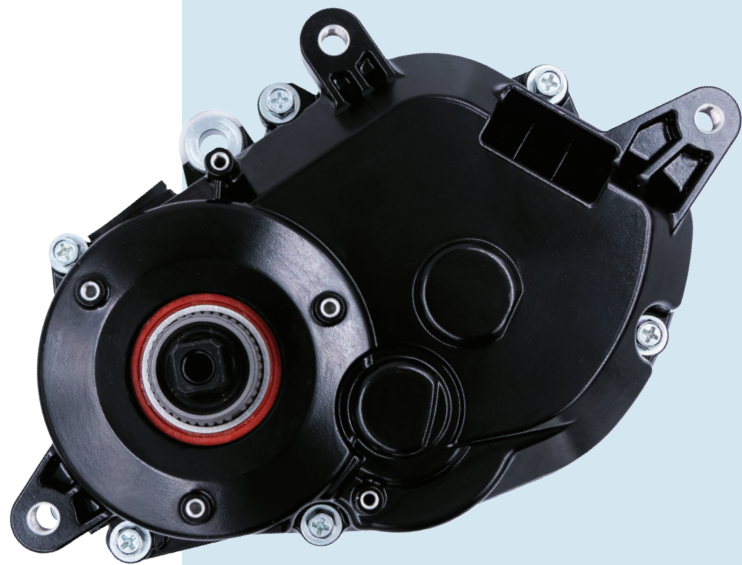
q-factor
191mm



Comfort
Urban

New Mobility is you: Leave traffic and noise behind.
The **GX Power** lets you re-conquer your urban home. Weighting just over 3kg and with a 250W power output, the **GX Power** provides sophisticated performance for a variety of e-bike designs - and purposes:

Whether it's about your regular way to the workplace or your daily dose of exercise - the **GX Power** is the right choice for your everyday e-bike experience.



Specifications

Torque:	60Nm
Weight:	Approx. 3.2kg
Voltage:	36V
Output:	250W

The GX Power is also adaptable for e-bikes equipped with a coaster brake.

New Panasonic Side Color Display

With the new side color display, the remote and the display are once again combined. The small, compact design offers every sporty driver a clean and clear view on all necessary riding information. In addition, the display is connected to a Bluetooth™ interface, which enables the usage of smartphone applications like “Komoot” and “Strava”. Thanks to the connection between smartphone and side color display, the driver no longer needs to look at the smartphone to navigate - the direction is directly displayed on the side color display.

Functions:

- > Speedmeter, Max. Speed, Average Speed, Odometer, Remaining Riding Distance, Riding Distance, Assist Mode, Assist Power Indication, Superb waterproof and dust-proof (IPX5), State of Battery Charge, 10 languages selectable, Bluetooth 5.0.
- > Enables mobile-charging via micro USB
- > In addition all four assist modes HIGH, STANDARD, ECO and AUTO-Mode are available.



Riding modes

NO ASSIST:	The display shows all relevant data, no motor assist
ECO:	Effective assist for long range riding
STANDARD:	Default assist for any terrain
AUTO:	Optimal motor assist depending on the rider's input torque
HIGH:	Maximum motor assist



Color Display



*Please note: For some Android™ driven smartphones, there might occur eventual Bluetooth™ connection problems with the Panasonic display due to software mismatches.

Cooperations

Battery Pack Manufacturers & Other

For optimum performance on long journeys: Since 2002, Panasonic has been using continuously enhanced Lithium-ion batteries for e-bikes. Various types of batteries enable individual usage. All GX e-bike motor units can be used with a battery from the following battery manufacturers:



www.bmz-group.com

V10 INTUBE Battery type: Fully-Integrated, removable	Battery charger for 36V BMZ V10 battery



www.greenway-battery.com

DZ012 Batteries	Battery charger for 36V DZ012 batteries

*Above batteries & chargers are compatible with Panasonic GX motor unit, however, these are not Panasonic products. Therefore, please contact directly to above mentioned companies in case of any questions about the products.



Energy solution provider - Moving energy to you

www.simplo.com.tw

TP-PCT (Main battery) Battery type: Fully-Integrated, removable	Range Extender, removable (in combination with TP-PCT Main battery)
Battery charger for 36V TRENDPOWER batteries	



Makes Shifting Comfortable



Gearsensor is a special system, developed and produced in Czech Republic. It is based on intelligent shifting sensor fixed on shifting cable, which is cutting off motor drive when the rider activates gear shifting. Gearsensor usage improves shifting performance and significantly prolong the life time of shifting system.



Panasonic

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Specifications are subject to change without notice.