

gocycle<sup>®</sup>

Product Data Sheet

for Gocycle<sup>®</sup> GS

*Version 2*





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## 1 STANDARDS AND CONFORMITY



Gocycle is an electric power assisted cycle developed in accordance with:

2006/42/EC	The Machinery Directive
2004/108/EC	The Electromagnetic Compatibility Directive

and is in conformity with the applicable requirements of the following documents:

EN 15194:2009+A1	Cycles - Electrically power assisted cycles - EPAC Bicycles
EN 14764:2005	City and trekking bicycles - Safety requirements and test methods



## 2 GOCYCLE GS TECH SPECS

	Gocycle GS
<b>Frame Colour</b>	Front Frame: Grey, White; Cleandrive: Blue, Red, Black, Light Blue, Pink
<b>PitstopWheel®</b>	Patented PitstopLock™ system
<b>PitstopWheel® Colour</b>	Gloss Black
<b>Motor Drive Control</b>	Pedal Torque Sensing
<b>Daytime Running Light (DRL)**</b>	No
<b>Smart Device Connectivity***</b>	GocycleConnect® App via wireless Bluetooth®
<b>Riding Modes</b>	City, Eco, On-Demand, Custom. Multiple, programmable through Interactive dashboard functions or GocycleConnect App
<b>Electric Drive Speed****</b>	20 mph
<b>Range</b>	Up to 65km (40 miles) eco mode depending on pedal input
<b>Motor</b>	Gocycle proprietary motor gear drive 250 watt continuous
<b>Battery*****</b>	Gocycle proprietary Battery Management System (BMS) with improved sleep power management and charge control, increase capacity in frame lithium ion, 13.5Ah, 22V, Approximately 300 Wh
<b>Charging</b>	7 hours (3.5 hours with optional fast charger)
<b>Motor Controller</b>	Gocycle proprietary
<b>Handlebar Display</b>	With Smart Device and GocycleConnect™ App
<b>Shifting</b>	Mechanical Microshift™
<b>Transmission</b>	Patented Cleandrive® Shimano Nexus 3-speed
<b>Gear Inches</b>	1st=39.1 in, 2nd=53.3 in, 3rd=72.5 in
<b>Gear Development</b>	1st=3.1 m, 2nd=4.3 m, 3rd=5.8 m
<b>Brakes</b>	Hydraulic disk, front and rear
<b>Tyres</b>	Gocycle Performance Tyre (406-50, 20 x 1.75 in)
<b>Front Motor Fork</b>	Gocycle proprietary, single-sided, 6061 T6, Uni-form 3D Forged
<b>Rear Suspension</b>	Gocycle Lockshock™ 25mm (1 in) travel
<b>Saddle</b>	Velo Sport
<b>Pedals</b>	Gocycle Folding Standard
<b>Grips</b>	Gocycle Standard
<b>Frame Size and Fit</b>	Universal Vgonomic™
<b>Handlebar Stem</b>	Quick-folding with reach adjustment
<b>Head Angle</b>	70°
<b>Seat Tube Angle</b>	68°
<b>Wheelbase</b>	1065mm (42 in)
<b>Bottom Bracket Height</b>	275mm (11.5 in)
<b>Stowable Dimensions</b>	Portable Docking Station for easy stowing and transport (L780mm x W370mm x H580mm)
<b>Approximate Weight</b>	16.5kg (36.3 lbs) including kickstand
<b>Maximum Rider Weight*****</b>	100kg (220 lbs), including clothing and luggage



\*Technical specifications subject to change without notice

\*\* The purpose of the DRL is to enhance visibility of the Gocycle to other road users only.

It is not intended to be a substitute for front and rear lights and should be accompanied with an additional set of front and rear lights approved for the territory you are riding.

We recommend that you consult the relevant national safety organization or a reputable cycle dealer on what the minimum recommended lighting requirements are in your particular country or region.

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\*\*\*Electric bicycle speed regulations vary by country—consult your local authority for information

\*\*\*This product has been designed with a maximum recommended weight limit of 100kg (220lbs) for the rider, clothing and all luggage, and is intended for use on paved roads. For rider and luggage weight 100-115kg (220-250lbs): riding style, road condition, tire pressures and luggage position may reduce product service life. Luggage weight should not exceed 10% of total rider and luggage weight. Never exceed rider and luggage weight of 115kg (250lbs) at any time. Exceeding this limit will void all warranties and may result in the product being unsafe for operation.



### 3 E-BIKE SHIPPING CLASSIFICATIONS

The following lists the proper UN shipping classification for lithium ion batteries and e-bikes.

UN Code	Application
UN 3480	Applies to the shipping of lithium ion batteries on their own
UN 3171	Applies when shipping e-bikes

### 4 SHIPPING OF GOCYCLES WITH BATTERIES INSTALLED (UN 3171)

#### *By Road*

In compliance with these shipping methods, packages are not required to display Hazardous Class labels, nor is any Hazardous Goods Declaration required.

#### *By Sea*

In compliance with these shipping methods, packages are not required to display Hazardous Class labels, however an IMDG Hazardous Goods Declaration is required.

**(Exempt from marking & Labelling IMDG SP962// Not subject to ADR)**

#### *By Air*

When shipping by airfreight, IATA/ICAO restrictions apply; packages are required to display Hazardous Class Labels and a Shippers Declaration of Dangerous Goods.

### 5 GOCYCLE LITHIUM BATTERY

#### *5.1 Important Information: Lithium-Ion Batteries*

The following important information applies to your Gocycle lithium battery. Read carefully to ensure the proper and safe operation and storage of the battery.

- Your battery has been designed for use only with a generation-two, three or S (G2, G3 & GS) Gocycle. Do not use the battery with any other product.
- Your battery is intended to remain within the Gocycle frame at all times and should be removed only by a Gocycle-approved service centre or with the assistance and approval of a Gocycle technical support executive.
- Do not short circuit, disassemble, damage or modify the battery.
- Do not expose the battery to fire or high temperatures over 40°C (104°F).
- Do not expose the battery to water or moisture. Water can corrode or damage the internal battery safety devices and cause the battery to overheat, ignite, rupture or leak.



- Do not drop or subject the battery to strong impacts. Impacts can damage the internal battery safety devices and cause the battery to overheat, ignite, rupture or leak.
- Only use the specified charger. An inappropriate charger may cause damage or injury through fire or electric shock.
- Do not leave the battery unattended whilst charging.
- Only use, charge or store the battery in an environment with ambient temperatures between 0°C and 40°C (32°F and 104°F) and a humidity of 45% to 85% RH.

## 5.2 Gocycle Lithium Battery: Care and Maintenance

Batteries do not last forever. As with lithium-ion batteries found in most battery-powered products, the Gocycle lithium-ion battery will slowly deteriorate over time. Lithium-ion batteries begin to degrade from the point of manufacture due to a chemical reaction that gradually causes the internal impedance of the cells to increase—in time reducing the ability of the battery to deliver its charge. For this reason, a new battery will always perform better than one that is six months old.

To maximise the potential lifespan of your Gocycle battery, follow these guidelines:

- Before first use, ensure that your battery is fully charged.
- The fuel readings on the dashboard and the capacity of the battery pack may vary during initial usage. After ten discharge and charge cycles, the battery and fuel indicators will become more consistent.
- Your battery will go into over discharge protection mode if it is discharged to a critically low level. Recharge your battery as soon as possible after it becomes fully discharged. A battery will be permanently damaged if left for an extended length of time in a fully discharged state.
- Heat accelerates the degradation of batteries. Avoid operating or storing the battery in high temperatures when possible.
- Once your battery displays less than two 2 LEDs, charge your battery within 48 hours. Place the battery on charge, and when the charge is complete, unplug the charger and press the sleep button. Do not allow a nearly depleted battery to be unused for more than one month. The battery will slowly discharge until it becomes fully discharged, and this will permanently damage the battery cells.

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**When you are not using the Gocycle, we strongly recommend that you put the battery into *Sleep Mode*. Do not leave the battery on charge. When fully charged, unplug the charger and return the battery to Sleep Mode.**

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### 5.3 Shipping and Handling of Lithium Batteries

Like any lithium-ion battery, the Gocycle lithium-ion battery is classified as Miscellaneous Class 9 Dangerous Goods, and as such, must be packaged, shipped and handled in accordance with the strict guidelines laid out by the relevant international regulatory bodies for air, sea and road transport.

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**Never attempt to transport your lithium-ion battery by air, without first seeking the prior approval of your airline. Never return your battery to Karbon Kinetics Ltd without first making contact with [techsupport@gocycle.com](mailto:techsupport@gocycle.com). Do not discard any of the battery packaging materials.**

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### 5.4 Battery Pack Disposal

When your Gocycle lithium battery has reached the end of its service life, you must recycle or dispose of it properly:

- Do not dispose of batteries with general household waste.
- When your battery no longer holds a charge, contact your local waste disposal or environmental agency for advice on disposing of a lithium-ion battery.

## 6 CONTACT INFORMATION

Gocycle is a product of Karbon Kinetics Limited, a UK-registered company.

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[www.gocycle.com](http://www.gocycle.com)

For details of your local Gocycle reseller visit [www.gocycle.com/map](http://www.gocycle.com/map).