



Requirements for

- **EPAC Bicycles**
- **Pedal assisted bicycles**
- **Electrically power assisted cycles**
- **e-bikes**

EPAC bicycles are normal bicycles when they comply with the following definition:
“cycles with pedal assistance which are equipped with an auxiliary electric motor having a maximum continuous rated power of 0,25 kW, of which the output is progressively reduced and finally cut off as the vehicle reaches a speed of 25 km/h, or sooner, if the cyclist stops pedalling”.

In this case the Directive 2002/24/EC does not apply.

However, since these EPAC bicycles are electric appliances, the following directives apply:

Directive 2006/95/EC, Low Voltage Directive (LVD)

Directive 89/336/EEC, EMC Directive (EMC)

Directive 2001/95/EC, General Product Safety (GPSD)

Please note that this also applies to the battery charger

EMC and LVD directives are so-called manufacturers declaration directives: the product must comply with the technical requirements, but the manufacturer can choose between establishing compliance himself or by an independent testing organization.

As for bicycles, specific member state requirements may apply such as for front and rear lights, reflectors, size, brakes, signaling and pedals.

For this category of products a new standard has been published in early 2009: EN 15194 “Cycles – Electrically power assisted cycles – EPAC Bicycles” that can be used for easy reference. Please note that application of this standard is recommended, but not compulsory.

For bicycles in general, the following European standards have been developed:

EN 14764 - Bicycles for common use

EN 14765 - Bicycles for young children

EN 14766 - Mountain-bicycles

EN 14781 - Racing bicycles

EN 14782 - Luggage carriers

EN 15532 - Terminology

EN 15496 - Cycle locks

These standards have copyright and can be purchased online from standardization organizations such as BSI in the UK. For the webshop, please click on the following link:

<http://www.bsigroup.com/upload/Standards%20&%20Publications/shop.html>