

Dear Greg

Thank you for your enquiry about the permitted power of e-bikes.

To be classified as a bicycle in NSW, an electrically power-assisted bicycle must have a maximum continued rated power of 500 watts, if the power output:

1. progressively reduces as the bicycle's speed increases above 6km/h, and
2. is cut off when:
 1. the bicycle reaches a speed of 25km/h, or
 2. the rider of the bicycle stops pedalling and the speed is more than 6km/h

The term continuous rated power is defined within Australian Standard 15194:2016 and is measured according to EN 60034-1.

Transport for NSW is of the opinion that the continuous rated power is a specification of the motor itself, and therefore it would not be legal to use an e-bike on NSW roads that uses a motor with higher power rating even if it is limited by software, switch or other means.

Regards

Julie

Transport for NSW