

**Submission  
No 25**

## **NON-REGISTERED MOTORISED VEHICLES**

**Name:** Mr Robert Jansen

**Date Received:** 21/04/2013

Dear stay safe

Further to my many submissions to the minister for ports & roads regarding the use of 200 watt electric motorized mopeds, all the research has already been done by all the states except NSW and Tasmania, all these states allow the use of the unregistered mopeds with a electric motor of not more then 200 watts, this is the same as the requirement of your motorized pushbikes, the unit still requires assistance the same as the pushbike, but it is much safer, easier to ride, much easier on your back side, etc., it has blinkers, stop light, horn, it has a lower center of gravity and is much easier to get on and off etc. a 200 watt electric moped would be much safer then a motorized push bike! also even if they are running down hill with the wind in the rear it still can't do any more then 30 klm an hour, the dealer claims, a normal push bike can do more then that , so I don't see any safety issues, it is the same as a motorized push bike with a different shell!! except much safer! I would like to see the wattage increased to 250 watt as suggested by the prime minister,her correspondence is attached.

I'm a bit sick of writing letters about all this, all my letters are all available at the office of Mr. Duncan Gay MLC., but I have attached some correspondence that I hope may help.

I would be more then happy to talk to you any time.

Regards





# series

**Robust & Slim Design Makes Pedalling a Breeze.**

**Sporty looks and robust body combines to make a great everyday eBike. Easy to handle and great looking, the Y**

PURI's superior brushless electric drive technology

Sporty City Styling

Emissions - 0 g/km\*\*

Horn

"Smart charge" battery charger

Chromed mirrors

Front & Rear indicators

Centre stand

Two-tone paint scheme

Fuel consumption - 0 L/100km\*

3-speed transmission

Front & rear drum brakes

Large capacity 48V12AH battery

Motion detect alarm & immobiliser

Alloy wheels

Headlight & Stop light

Clear indicator lenses

Lockable seat & open under-dash compartments

Anti-theft switch

## Specifications

### Power & battery

<b>Motor type</b>	Puri DirecDrive 48V High Torque Brushless DC Hub Motor
<b>Motor power</b>	200 Watt
<b>Torque</b>	6.9 N.m
<b>Battery type</b>	550W+ 12Ah Silicon Gel
<b>Charging time (from flat)</b>	4 - 6 hours
<b>Input Voltage</b>	110v - 240v

### Speed & range

<b>Top Speed</b>	35 km/h
<b>Range</b>	up to 45 km*
<b>Recharge Cost</b>	25 cents per 100km**
<b>Tailpipe Emission</b>	0

### Dimensions & measurements

<b>Wheelbase</b>	1160 mm
<b>Overall length</b>	1690 mm
<b>Overall width</b>	690 mm



Overall height	1060 mm
Tyre size	16" x 2.5"
Curb weight	32 kg
Maximum Load	150 kg

*This thing only weighs 32kg!*

\* Your Puri eBike's range distance depends on your riding habits, route, weight, and weather

\*\* Based on 50km per recharge, off-peak rate of 11.308 cents per Kwh, actual figures may vary.

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## NEW SOUTH WALES

### Motorised scooters and mini-bikes

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In NSW any device with a motor must be registered for use on a road or road related area unless it is specifically exempt.

Motorised foot scooters, miniature motorbikes (mini-bikes) and other motorised recreational devices do not meet minimum Australian design standards for safety and so cannot be registered. This means they must not be used on roads or in any public areas such as footpaths, car parks and parks.

There are heavy penalties for using unregistered and uninsured vehicles. Police can also seize and take possession of unregistered vehicles.

There are some retailers who sell these vehicles and fail to warn customers that they cannot be used on roads or in public areas.

### Prohibited vehicles

The following vehicles (irrespective of the power output of the motor) are banned from use on roads or in public areas.

- Motorised foot scooters (with or without a seat) – electric/petrol engine
- Mini-bikes
- Motorised human transporters such as the WheelMan, or SEGWAY
- Motorised skateboards – electric/petrol engine

### Exemptions

Motor assisted pedal cycles with electric or petrol engines are exempt from registration, provided the maximum engine output power does not exceed 200 watts. Riders must follow the same road rules as for pedal cycles without motors, including wearing a helmet.

Source: <http://www.rta.nsw.gov.au/usingroads/bicycle/index>

## Mopeds and power-assisted pedal cycles

### Purpose

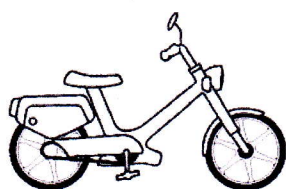
To advise suppliers, owners and users of mopeds and power-assisted pedal cycles of the requirements for their construction, registration and use.

### Moped

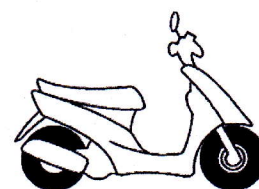
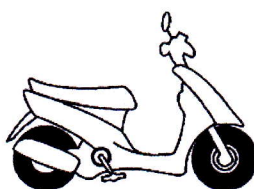
A moped is a small motor cycle that:

- Has a piston engine with a capacity not exceeding 50 ml, or an alternative power source, eg electric motor.
- Has a maximum speed not exceeding 50 km/h.
- May be either two-wheeled or three-wheeled.
- May be pedal assisted (see Figure 1).

FIGURE 1. TYPICAL EXAMPLES OF MOPEDS



A. Pedal-assisted mopeds



B. Non pedal-assisted moped

### REGISTRATION

In New South Wales, mopeds are required to be registered and must meet the construction and equipment requirements for motor cycles as set out in the Road Transport (Vehicle Registration) Regulation 2007 (the Regulation) including compliance with the applicable Australian Design Rules (ADRs), and be fitted with a compliance plate.

Riders of mopeds must obey the same traffic regulations as riders of motor cycles. They must hold a rider's licence and must wear an approved motor cycle safety helmet.

### For further enquiries

RTA Technical Enquiries, PO Box 1120, Parramatta NSW 2124  
T 1300 137 302 | F 02 9843 3821 | E [tech-enq@rta.nsw.gov.au](mailto:tech-enq@rta.nsw.gov.au)

[www.rta.nsw.gov.au](http://www.rta.nsw.gov.au)



## Power-assisted pedal cycle

A power-assisted pedal cycle is a cycle that:

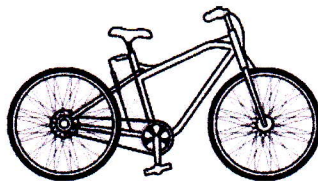
- Is designed to be propelled primarily by human power; and
- Has one or more auxiliary propulsion motors attached that have a combined output of no more than 200 watts.

**This means that the rider must be able to pedal the cycle; the motor is for assistance only.**

A rider of a power-assisted pedal cycle does not have to hold a licence, however it is compulsory to wear an approved bicycle helmet and obey the same traffic laws as bicyclists.

**FIGURE 2: TYPICAL EXAMPLE OF A POWER-ASSISTED PEDAL CYCLE**

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### **REGISTRATION**

Registration of power-assisted pedal cycles is not required in NSW. Owners and users of power-assisted pedal cycles should be able to prove that the motor output is not more than 200 watts, and that the cycle's primary source of propulsion is human power. Pedal cycles fitted with a motor (or motors) that can be simply adjusted or modified to increase the power output above 200 watts should be avoided. If any such adjustment is made, the owner and user may be prosecuted for driving an unregistered and uninsured motor vehicle.

A pedal cycle fitted with an auxiliary motor (or motors in combination) having an output exceeding 200 watts is considered to be a moped or motor cycle and the conditions specified for mopeds set out in the Regulation and ADRs apply.



**E - BIKE MODEL: YLS SCOOTER****PEDAL POWER/ELECTRIC**

**Excellent Price for only \$670.00 - Brand new  
Sill in box - More available**

**NORMAL RRP: \$1290.00 EACH**

**I can post but will have to be organised at buyers end.**

**FEATURES:**

FOR ALL OF YOU FANS OF PHYSICS AND ENGINEERING, UNDER NORMAL CRUISING CONDITIONS THE MOTOR DRAWS ABOUT 10 AMPS AT 60W WITH 5 FOOT POUNDS OF TORQUE. IT HAS AN EFFICENCY OF ABOUT 80% AND AN ELECTRIC CONSUMPTION OF ABOUT 1.5KWH OVER 23 MILES. FOR ALL OF YOU WHO DONT REALLY CARE ABOUT THAT YOUR ELECTRIC BIKE CONSUMES LESS ENERGY THAN YOU WOULD EXPEND RIDING THAT FAR ON LEG POWER ALONE. THESE ELECTRIC BIKES ARE BY FAR ONE OF THE MOST EFFICIENT VEHICLES MADE!

ALL OUR BIKES COME WITH A 6 MONTHS WARRANTY.

**DUE TO NSW & TASMANIA LAWS REQUIRE THESE BIKES TO BE REGISTERED, INSURED AND THE RIDER NEEDS A LICENCE. (CURRENTLY UNDER REVISION)**

**ALL OTHER STATES IN AUSTRALIA THIS DOES NOT APPLY AND THEY CAN BE RIDEN WITHOUT A LICENCE,REGISTRATION OR INSURANCE LEGALLY.**

A FEW INTERESTING COMMENTS HERE

**TECHNICAL SPECIFICATIONS:****BATTERY:**

**60V/12AH LEAD/ACID**

**MOTOR: 180W BRUSHLESS MOTOR ENCASED INSIDE THE REAR HUB**

**CHARGING SPECS: INPUT VOLTAGE AC160V-240V**

**CHARGE TIME: 5-9 HOURS FROM COMPLETELY FLAT**

**FRAME SPECS:STRONG IRON FRAME 175 X 66 X 110 POWDER COATED**

**WEIGHT: 63KGS**

**WHEEL SPECS:16X2.5 TIRE & TUBE**

**FRONT AND REAR DRUM BRAKES, RIMS ARE ALUMINIUM/IRON**

**TRAVELING SPECS: 55-70KM TRAVEL RANGE.**

**SPEED: 40-45KMPH**

**LOAD: 150KG MAX**

**REGULATIONS:**

THESE BIKES ARE MANUFACTURED IN CHINA. REGULATIONS IN THE UNITED STATES AND OTHER COUNTRIES ALLOW A BICYCLE TO HAVE A POWER-ASSISTED MAXIMUM SPEED OF 20 MPH. OUR ELECTRIC BIKES HAVE THEREFORE HAVE A MOTOR SPEED OF 250 RPM, WITH A TOP SPEED OF 20 MPH AND A MAXIMUM RATED POWER OF 180W. ON A BIKE WITH A THROTTLE YOU CAN RIDE YOUR BIKE WITHOUT PEDALLING AT ALL. HOWEVER THERE IS NOTHING TO STOP YOU PEDALLING! IN ADDITION TO GOING FASTER THAN JUST USING THE THROTTLE ALONE, PEDALLING WILL GREATLY INCREASE THE MILEAGE YOU GET FROM YOUR BATTERY.

IN MOST COUNTRIES THESE BIKES QUALIFY AS BICYCLES AND NOT A MOTOR VEHICLE, TYPICALLY THIS MEANS THE RIDER DOESNT NEED A LICENCE OR MO-PED CERTIFICATE, THERE IS NO AGE LIMIT AND BIKE PATHS ARE OPEN FOR RIDING. THAT SAID, LEGAL REQUIREMENTS CONCERNING INSURANCE AND OTHER BICYCLE REGULATIONS MAY DIFFER SO BE SURE TO CHECK THE REGULATIONS BEFORE YOU START RIDING.

## New Rules Give Cyclists a Boost

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Media Release  
CK013/2012  
30 May 2012

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The Gillard Government today paved the way for a new range of electric bicycles into Australia.

Parliamentary Secretary for Infrastructure and Transport, Catherine King, announced changes to the national vehicle safety standards that allow for greater consumer choice—while at the same time maintaining safety.

“There is an increasing desire within the community for modern designs of power-assisted pedal cycles. This change in the Australian Design Rules will encourage modern electric bicycles as a healthy alternative to other means of transport,” Ms King said.

“With the *National Cycling Strategy 2011–16* aiming to double the number of people riding by 2016, the Government is keen to work with the cycling community to implement reforms that promote healthy lifestyles.

Ms King said that changes to the standard mean the allowable power output has now increased from 200 to 250 watts giving a higher level of performance, while maintaining safety by restricting powered speed to 25 km/h. Riders are required to pedal to access the power or to reach greater speeds than 25 km/h.

The change also means new construction standards for batteries, cables and connections as well as other requirements such as braking performance and the strength of frames.

“In addition, existing designs of machines will continue to be allowed.”

The changes are an important first step towards an overall review by Austroads of alternative vehicles, which would also include mobility scooters, and a key action identified in Australia's National Road Safety Strategy 2011–20.

“It's important that this continues to be a national process that is supported by all governments,” Ms King said.

Ms King praised state and territory authorities for working constructively with the Commonwealth on this change.

However, she said that changes to state and territory road rules may be necessary to allow use of the new electric bicycles and advised people to contact their state road authorities to confirm local provisions.

The standard that has now been adopted is EN 15194.

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### Media Contacts

◦ Peter Dwyer—King's Office—  0409 866 054 

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Last Updated: 30 May, 2012