

TOPMOTORX website:www.topmotorx.com

ELECTRIC POWER ZERO POLLUTION MAXIMUM FUN

ZP 1500/2000 WATT

ELECTRIC POWER ZERO POLLUTION MAXIMUM FUN

The noisy, smelly, polluting scooter has come of age and has evolved into a quiet, zero emission, fun and highly practical people mover. Bucking the trend of the high polluting, gas guzzling vehicles of yesterday. The new ZP is the future city commuting solution today. The ZP is an e-bike revolution against rising urban transport congestion. It is Europe's first fully type approved, high powered two wheel alternative to the traditional gas powered scooters and motorbikes. Offering zero emissions, simple operation, low running costs, low maintenance, superb acceleration and it is virtually silent. The ZP electric scooter is the ideal solution for urban commuting. It has a restricted top speed of 30mph (45kmph) that means it can be driven legally on the road if you have a full EU car driving license.

The ZP also has a maximum range of up to 40 miles (60km) on one full charge, making it the ideal city commuting for the 21st century. There are no gears or clutch to worry about - you simply switch on and go. Charging couldn't be simpler - you just plug the ZP charger into a standard mains wall socket to re-boost the built in high capacity sealed battery pack. Easy to operate and great fun to ride, its under slung frame offers a low centre of gravity, making the ZP immensely stable and easy to control. The hand controlled hydraulic front and rear disc brakes slows ZP smoothly and securely, and automatically disables power to the motor during the braking operation for safety and battery conservation. The ZP offers a genuine low cost, clean and quiet alternative to the existing gas guzzling motorbikes and scooters on the roads today.

PERFORMANCE

Maximum speed	65kmph (40mph) electronically restricted
Acceleration	0-65kmph (0-40mph) 11 seconds
Range	Up to 65km (40miles) on full charge
Braking	Front and rear hydraulic discs
Tyres	12" front and rear
Suspension	Twin rear shock absorbers
Front Forks	telescopic fork with anti-dive mechanism
Motor Type	Brushless DC hub integrated high Torque, radial motor
Peak Power	3.85Kw peak power at 2800rpm
Rated Voltage	48v DC
Battery Type	Silicone high capacity 12 v cells X 4 X2
Rated Capacity	47Ah X 2
Rated Voltage	48v (8 X 12v)
Mains requirement	110v-240v (50/60Hz)
Discharge cycles	400 (80% charge)
Estimated life	2 years or 20,000 Km (10,000 miles)
Controller	PCM driven controller and motor drive system. Air Cooled via alloy fins.
Instrumentation	Analogue speedometer and odometer (in Km or Miles). Battery charge and estimated range indicator, via LCD display.
Storage	130kg (286lb) Length 1800mm (70") Height 1200mm (47") width 580mm (23")
Frame	Secure under seat storage, Rear lockable box (optional)
Emissions	Fully high tensile steel frame
Warranty	Zero
	Two Years

MOTOR

BATTERY

CONTROL

DIMENSION

GENERAL

**EEC /DOT
COMPLIANT**

ZP engineering highlight

Range : up to 65km on one charge	performance: 48v, 40ah 2000 watt brushless motor	handing: rigid fully high tensile steel frame	maintenanc e: ultra low maintance free motor	funtionality: open footwell comfort, large storage space
----------------------------------	--	---	--	--

**ONLY ONE EARTH
PLEASE PROTECT
OUR
ENVIRONMENT**

DESIGN

The ZP is one of the most advanced all electric full sized motor scooters ever to be created and like its petrol ancestors, has been designed to last for many years.

BOLD

The design goal for ZP was simple. To produce a modern urban road scooter that offered maximum usability and practicality that is economical to use, has low maintenance costs and most importantly, it had to be fun to own and ride.

SMART

The ZP is designed to be smart in every way. Its state of the art controller has been designed to maximise its range on each battery charge.

ENVIRONMENT

Low noise. The ZP has no transmission and virtually no engine noise due to its unique integrated hub motor.

No pollution and no gas, permits concessionary parking charges or zero congestion charging in most towns and cities.

Zero emissions. ZP is emission free. Compare this to an average gas scooter that can produce more than 8 times the pollution of an average car.

LOW COST

Low Maintenance. Most of ZP main components are sealed or maintenance free, so oil and filter changes will be banished forever.

Grants and rebates. Many grants and rebates are available in Europe and the USA, provided by the government and local authorities to encourage the use of zero emission vehicles.

Low running costs. The ZP costs less than 12% of the running costs of a traditional 50cc – 100cc gas powered scooter.

CONTROL

Whatever the road conditions, we have designed the ZP to be driven smoothly, confidently and safely. From its all round hydraulic disc brakes, to the progressive throttle control powering its state of the art high torque, gearless, integrated rear hub motor.

POWER

The ZP is uncompromising in its power delivery. The powerful 2000 Watt integrated rear hub motor provides a dynamic performance, never before experienced in an electric vehicle. Electronic control and computerised high torque output from the powerful motor, ensures the most rewarding two wheel drive on the road today.

SPACE

The ZP has a practical load compartment under the seat, offering useful and secure loading options as well as being discreet. An optional lockable top box fitted behind the rear seat, is also available.

CONFIDENCE

The ZP purposeful design includes a perfect driving position, with low step through frame and an unobstructed footwell for supreme, upright comfort and posture.

Its low centre of gravity reassures with excellent handling, helping deliver the comfort, road holding and refinement that only the best 2 wheelers can dream of achieving.

DESIRE

Sensuous, flowing, purposeful and timeless design cues ensure that the ZP will be the object of desire for many years to come.



EA-ZP2000w Specification

Motor : 2000W brushless wheel motor, Warranty 2 years or 20.000km

max. Ampere Output: 40A and 73A(by using Power Button)

max. Power Output: 2.2kW and 3.85kW(by using Power Button)

Battery: 8x12V/20AH Silicon Battery. Battery can be recharged min. 400x Warranty 1year or 10.000km

Charging time: approx. 7 hrs. By using two chargers charging time can be reduced to approx. 3.5 hrs.

Charger output: 48V/10A

max. speed: 65km/h, for the EU countries electronic limit set to 45km/H

distance range: 55-65km depending on weight of user and road. 25km/h Version distance range 90-110km

max. start up slope: 18%

Wheel + Rim: 12", front and rear aluminum rim

Weight of Scooter: approx. 130kgs, pay load: 143kgs

brakes: Oil pressure disc brake, front and rear.

Voltage indication: exact battery indication

Power Button: Power button for extra Power to climb hills or quick start

storage: Power button for extra Power to climb hills or quick start

Warranty: 2 years on non abrasion parts



EB-ZP1500w Specification

Motor : 1500W brushless wheel motor, Warranty 2 years or 20.000km

max. Ampere Output: 40A and 73A(by using Power Button)

max. Power Output: 2.2kW and 3.85kW(by using Power Button)

Battery: 4x12V/20AH Silicon Battery. Battery can be recharged min. 400x Warranty 1year or 10.000km

Charging time: approx. 3.5 hrs.

Charger output: 48V/10A

max. speed: 50km/h, for the EU countries electronic limit set to 45km/H

distance range: 35-40km depending on weight of user and road. 25km/h Version distance range 90-110km

max. start up slope: 20%

Wheel + Rim: 10", front and rear aluminum rim

Weight of Scooter: approx. 100kgs, pay load: 173kgs

brakes: Oil pressure front disc brake and rear drum brake.

Voltage indication: exact battery indication

Power Button: Power button for extra Power to climb hills or quick start

storage: Power button for extra Power to climb hills or quick start

Warranty: 2 years on non abrasion parts



EC-ZP2000w Specification

Motor : 2000W brushless wheel motor, Warranty 2 years or 20.000km

max. Ampere Output: 40A and 73A(by using Power Button)

max. Power Output: 2.2kW and 3.85kW(by using Power Button)

Battery: 8x12V/20AH Silicon Battery. Battery can be recharged min. 400x Warranty 1year or 10.000km

Charging time: approx. 7 hrs. By using two chargers charging time can be reduced to approx. 3.5 hrs.

Charger output: 48V/10A

max. speed: 56km/h, for the EU countries electronic limit set to 45km/H

distance range: 55-65km depending on weight of user and road. 25km/h Version distance range 90-110km

max. start up slope: 18%

Wheel + Rim: 12", front and rear aluminum rim

Weight of Scooter: approx. 130kgs, pay load: 143kgs

brakes: Oil pressure disc brake, front and rear.

Voltage indication: exact battery indication

Power Button: Power button for extra Power to climb hills or quick start

storage: Power button for extra Power to climb hills or quick start

Warranty: 2 years on non abrasion parts



ED-ZP2000w Specification

Motor : 2000W brushless wheel motor, Warranty 2 years or 20.000km

max. Ampere Output: 40A and 73A(by using Power Button)

max. Power Output: 2.2kW and 3.85kW(by using Power Button)

Battery: 8x12V/20AH Silicon Battery. Battery can be recharged min. 400x Warranty 1year or 10.000km

Charging time: approx. 7 hrs. By using two chargers charging time can be reduced to approx. 3.5 hrs.

Charger output: 48V/10A

max. speed: 55km/h, for the EU countries electronic limit set to 45km/H

distance range: 60-80km depending on weight of user and road. 25km/h Version distance range 90-110km

max. start up slope: 18%

Wheel + Rim: 10", front and rear aluminum rim

Weight of Scooter: approx. 130kgs, pay load: 143kgs

brakes: Oil pressure front disc brake and rear drum brake.

Voltage indication: exact battery indication

Power Button: Power button for extra Power to climb hills or quick start

storage: Power button for extra Power to climb hills or quick start

Warranty: 2 years on non abrasion parts