

2021



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Distributor / Dealer

A COLORFUL JOURNEY,
A WONDERFUL DAY



EK1 MEETS LIGHT TRAVEL REQUIREMENTS

HORWIN EK1 is developed for daily commute with a modern design, muscular vehicle body lines, automobile class coating technology in pearlescent lacquer, brilliant colors and a combination of fashion and luxury. HORWIN started a vision of overall design and R&D based on Big Data Analysis, to develop vehicles for all customers and to meet their light travel requirements.





MATT BLACK



MATT BLUE



PINK



MATT ORANGE



GREEN



BRIGHT WHITE

A COLORFUL JOURNEY,
A WONDERFUL DAY

HIGH POWER HUB MOTOR, VISIBLE STRONG DRIVING FORCE

HORWIN EK1 is equipped with high performance hub motor of Max power 2800W. The motor has high energy exchange efficiency with low power consumption and boosts instantaneously super driving force.

45 KM/H
MAX. SPEED

90 KM
MAX. RANGE
72V 36AH

(AT 45KM/H WITH 75KG DRIVER)

POWER



MAX POWER
2800W

& TWO BATTERIES AVAILABLE

72_V 36_{AH}



INTELLIGENT THREE LENSES LED HEADLIGHT

Automobile class intelligent LED headlight with high intensity light source cutting through the darkness of the night and an automatic light switch-off delay guarantee your safety during driving.



LIGHT

BATTERY



HIGH VOLTAGE INTELLIGENT LITHIUM BATTERY

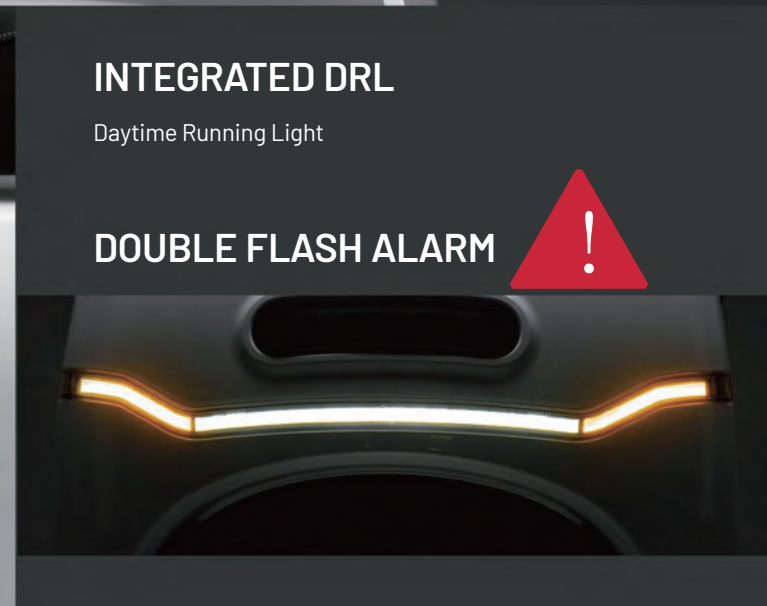
HORWIN EK1 is equipped with 72V high voltage intelligent lithium battery. With 36AH volume, the max range reaches 70km.

The SOC monitoring system and modern BMS system can effectively reduce failures and provide multiple protection.

INTEGRATED DRL

Daytime Running Light

DOUBLE FLASH ALARM

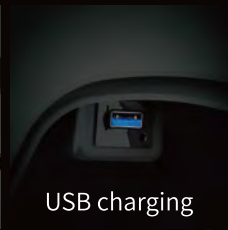


NEW SMART DASH BOARD

The LCD display shows all kinds of driving information, and driving data is always available at any-time. With three colors (green, blue and yellow) showing on the display, different colors of light indicate different speed. It is the combination of fashion and technology.



Cruise control



USB charging

MT2.5 × 14

Front wheel hub

MT3.0 × 13

Rear wheel hub

100/80-14

Front wheel

110/70-13

Rear wheel



LIGHT WEIGHT WHEEL HUBS PROVIDE STRENGTH!

The high-strength light alloy wheel hubs are made of aluminum alloy. They give the front and rear wheel excellent strength and hardness and are still comparatively light.

VACUUM TYRES THAT PREVENT PUNCTURES

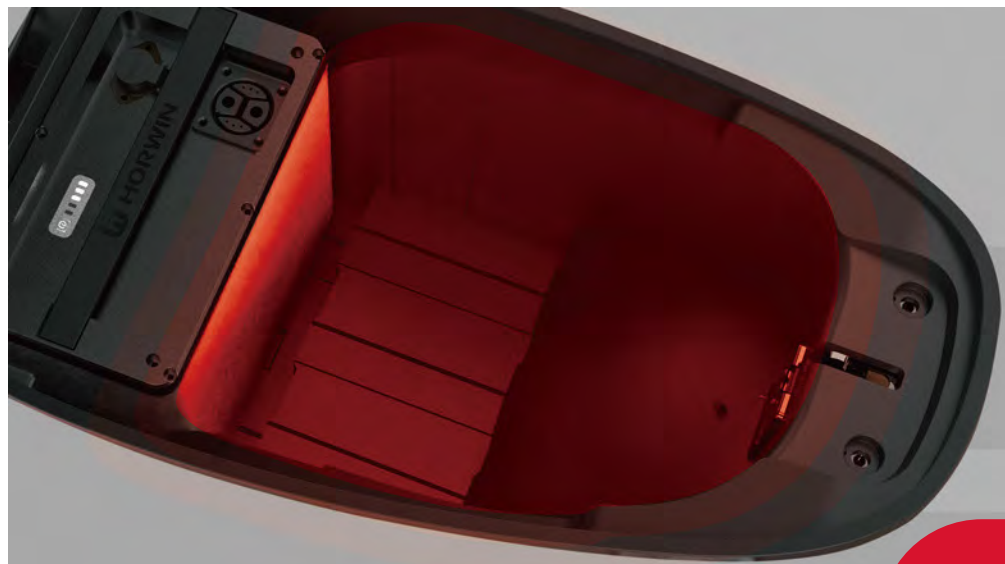
With its vacuum tyres have excellent road grip. They are puncture-proof, wear-resistant and have a longer service life than normal tyres. Safety and comfort are perfectly combined here.

ONE KEY FOR REVERSING

The R key can easily help you move the vehicle with reversing power.

REVERSING POWER





MULTI-FUNCTION

BIG BOX

LARGE CAPACITY SEAT BUCKET

The large capacity seat bucket can easily hold your daily necessities, such as helmets and backpacks, which solves your troubles of belongings during daily driving.

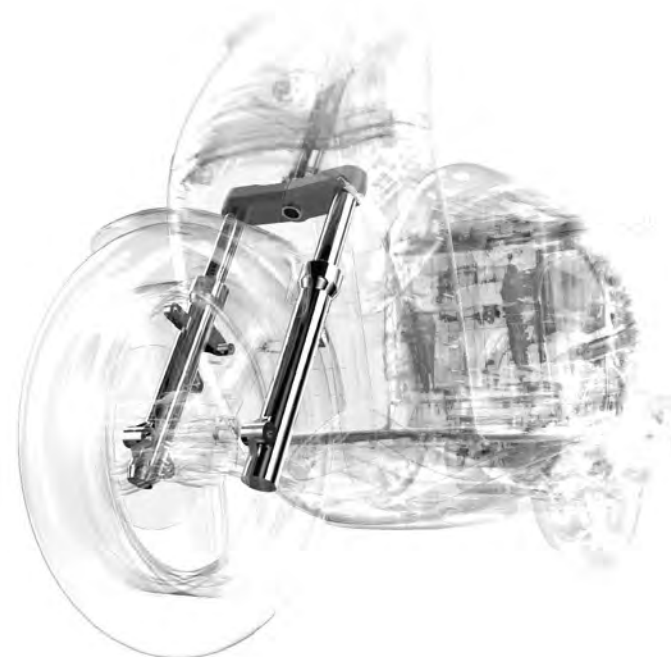


INGENIOUS DESIGN FOR COMFORT

The spacious pedals and seats are ergonomically designed to stretch and relax the legs and waist, bringing a more comfortable and stable riding experience to riders.

COMFORTABLE DRIVING - REGARDLESS OF THE ROAD

The EK1 scooter is equipped with double hydraulic shock absorbers at the front and rear. They offer the driver an excellent driving experience - regardless of the road conditions.



DRIVING EXPERIENCE AT UP TO 45 KM/H

The 14-inch front wheel and 13-inch rear wheel offer excellent manoeuvrability. The central motor delivers a consistent and strong performance. The outstanding ergonomic design and efficient shock absorption system ensure a comfortable driving experience. The EK1 has a long wheel base of 1350mm and a distance of 125 mm from the ground. The generous dimensions-1900mm length, 690 mm width, 1130 mm height - offer a correspondingly great driving experience. In addition, the EK1 has a maximum load capacity of 170 kg and offers space for up to two people.



EUROPE-WIDE E-MOBILITY SUBVENTIONS

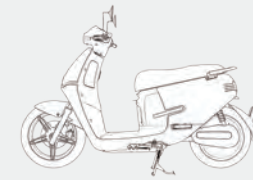
Depending on the country you are living in, buying electric vehicles is financially supported by many governments, organisations or companies. Please get in touch with your local governmental institution to gather further detailed information. Because of this, switching to electric mobility is an absolute win-win-situation.



HORWIN EK1



DIMENSIONS



Length: 1900mm
Width: 690mm
Height: 1130mm
Seat height: 780mm

Motor Type	Hub Motor
Controller	FOC
Battery	72V36AH (optionally with second battery)

MEASUREMENTS

Front hub	MT 2.5×14	Minimum ground clearance	125 mm
Rear hub	MT 3.0×13	Net weight without battery	92 KG
Front tire size	100/80-14	Technically permissible maximum laden mass	281 KG
Rear tire size	110/70-13	Wheel hub	Aluminium alloy
Wheel base	1320 mm		

SPECIFICATION

Rated Power	2 KW	Range	36AH-90KM (AT 45KM/H WITH 75KG DRIVER)
Max Power	2.8 KW	Charging Times	≥1000 times
Rated RPM	480 R/min	Tire	Front 14"/Rear 13"
Rear wheel Max.torque	145 Nm	Brake System	Disc brake
Top Speed	45 km/h	Charging Time	4.5H
Charging Current	8A		

FEATURES

Lights	LED (front, rear, flashing)	Swipe screen to start	NO
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NO NOISES

It drives without any noise. Even at top speed, the only thing you will hear is the tyre noise

NO SMELL

No exhaust gases mean no emissions. So don't worry about stinking clothes anymore.

LOW MAINTENANCE COSTS

The HORWIN motor is completely maintenance-free. Only some parts of the brake system and the tyres need to be replaced from time to time.

LOW OPERATING COSTS

A full charge of both batteries will cost you less than 1 € (EURO). The savings are obvious

LOW INSURANCE COSTS

Normally, insurance costs are much lower than for conventional petrol-powered vehicles (depending on the country).

ENVIRONMENT-FRIENDLY

The drive of the HORWIN EK1 is probably the most sustainable and environmentally friendly way to get from A to B.