

2021



A COLORFUL JOURNEY,  
A WONDERFUL DAY



**European Headquater**  
Kammersdorf 173 | A-2033 Kammersdorf  
phone.: +43 2953 2325 | email: info@horwin.eu  
[www.horwin.eu](http://www.horwin.eu)

**HORWIN Headquater**  
Building No. 33-1&3 | Hengsheng Science & Technology Park  
Beitanghe Rd | Tianning district | Changzhou | Jiangsu  
Phone.: +86 519 80585808 | email: horwin@horwinglobal.com



[www.horwinglobal.com](http://www.horwinglobal.com)

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## 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



MATT ORANGE



BRIGHT WHITE

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## 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

**70** KM  
MAX. RANGE

# POWER



MAX POWER  
**2800**W





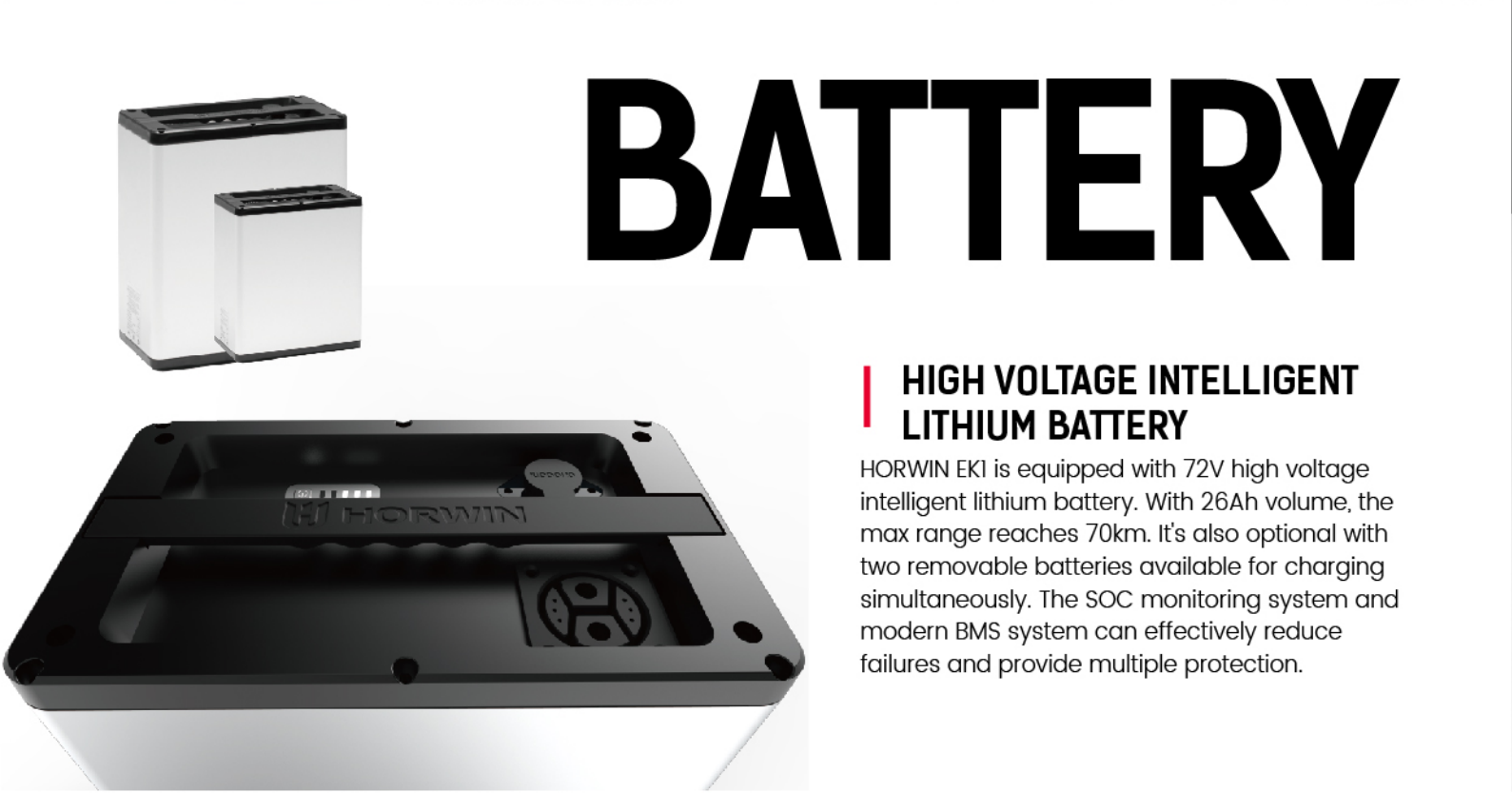
& TWO BATTERIES AVAILABLE  
**72V 26AH / 72V 40AH**



### 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 EKI is equipped with 72V high voltage intelligent lithium battery. With 26Ah volume, the max range reaches 70km. It's also optional with two removable batteries available for charging simultaneously. 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 anytime. 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.



**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 aluminium 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.

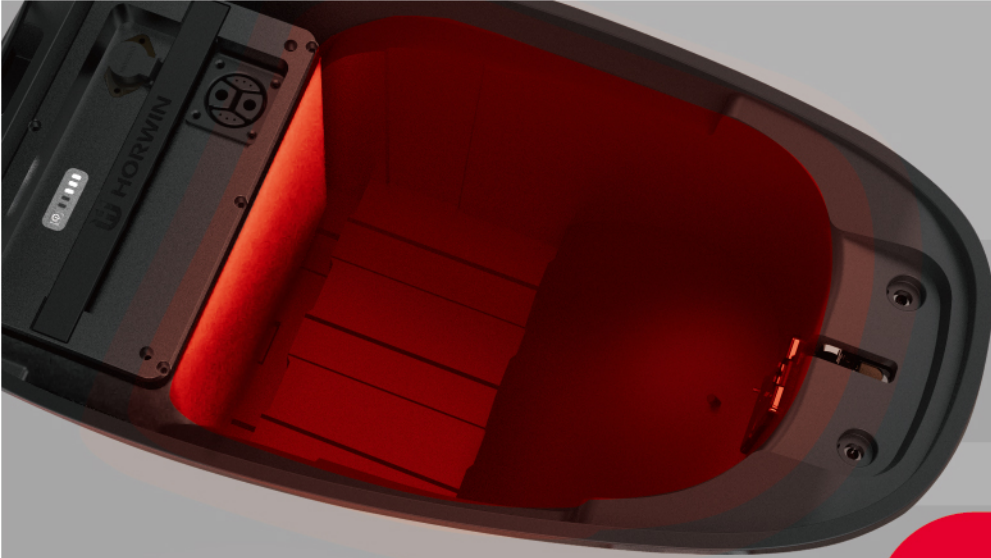
## ONE KEY FOR REVERSING

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

REVERSING POWER







MULTI-FUNCTION  
**BIG BOX**

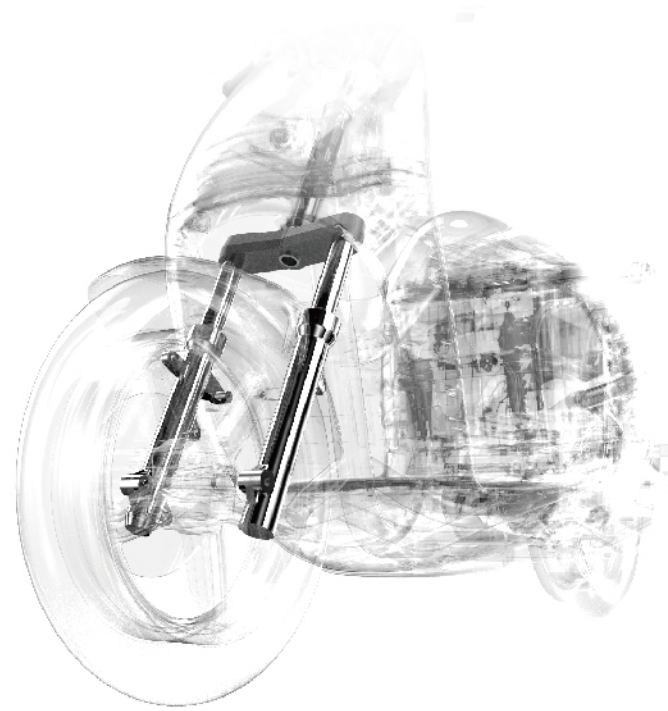
**LARGE CAPACITY  
SEAT BUCKET**

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.



### 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 EK3 is probably the most sustainable and environmentally friendly way to get from A to B.

# HORWIN EK1



## DIMENSIONS



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

Motor Type	Hub Motor
Controller	FOC
Battery	72V, 26AH (optionally 26 AH or 40AH with second battery )

## MEASUREMENTS

Front hub	MT 2.5x14	Minimum ground clearance	125 mm
Rear hub	MT 3.0x13	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	70 KM
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	5A/5h (0-100%)

## FEATURES

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