



HEROELECTRIC

The smart move

Optima-ized

Safety | Power | Comfort

Welcome to the world of
OPTIMACX5.0





New Generation Electric 2W Mobility

The all-new Optima CX version is a nuanced, smart & connected e2W for the contemporary market. The new avatar of Optima is equipped with advanced powertrain efficiency and optimized energy consumption. In addition to innovative features like hibernating battery technology, improved vehicular diagnostics through the built-in software, remote maintenance and ultimate battery life protection.

ADVANCED SAFETY

The new product range delivers optimum safety features with purposefully installed



Battery Safety Alarm

for your carefree ride



Drive Mode Lock

that provides an essential/perfect sign before every ride. Move forward with confidence



Parking Brake

that prevents electric 2-wheeler from rolling on inclined surfaces



Side Stand Sensor

giving a reliable heads-up on an open side stand, preventing moving forward. Stay in control and avoid accidents



Combi Brake System

is effectively provided in the electric 2-wheeler



Battery with **Advanced 3rd Generation** Battery Technology tested over 5 years.



Xtra Energy

Our scooter batteries are the result of 5 years of vast research, factoring in Indian road temperatures and riding conditions. Our R&D engineers have been able to choose the most appropriate cells with optimized chemistry to design a well-balanced BMS and intelligent self-learning software. It is also coupled with real-time diagnosis and updates to ensure that your battery delivers an extended range for years, resulting in higher fuel savings



*** Hibernation Mode**

This mode allows complete shut-off and isolates the battery when not in use. Equipped with a unique '**low power consumption**' feature that ensures **minimal self-discharge of battery**. One can park the scooter for many months without charging and *it will come back to life with just a flick of the switch*.

*This is applicable for OPTIMA CX5.0 model and battery has to be fully charged in the beginning.

BATTERY SURAKSHA SHIELD (IN ADDITION TO AIS 156)

- **Battery Alert System:** A red signal and a buzzer sound just to alert you. It Indicates that your battery or vehicle is getting hotter. This is not an unsafe condition
- **Battery Thermal Guard:** it ensures optimal battery performance by preventing heat transfer from one part of the battery to another and overheating. Letting you enjoy a worry-free ride!
- **Smart Battery Management System (BMS):** Seamlessly communicates with vehicle's controller and instrument cluster, keeping you updated with real-time accurate data: State of Charge (SOC), Distance to Empty (DTE), and many more!
- Our **cutting-edge BMS** swiftly disconnects the battery in case of overheating to prevent sparks in the wiring and the Fuse Protection System prevents overheating & short circuits in your vehicle! Keeping you and the vehicle safe at all times.
- **Extreme Temperature Alerts:** Battery's can malfunction at very hot and very cold system. Our advanced battery management system alerts you during abnormally high or low temperatures. A **constant red light** will glow when the temperature is between 46-55°C, guiding you to avoid charging during that time. When the temperature reaches 60°C, a **blinking red light** will come on, indicating that the battery needs cooling down. At temperatures below 0°C, a **constant blue light** will glow, indicating that your vehicle has gone into Safe Mode. The blue light will go off once the battery temperature reaches above 0°C. This feature safeguards your battery safety and performance always!





THE NEW HEART AND BRAIN

Future Ready Design:

Equipped with **advanced Japanese motor technology, a powerful powertrain, and safe battery, motor, and controllers.** Designed to provide a smooth and efficient ride, it comes with smart and AI-powered features, which includes **intelligent sensors and controllers** that monitor various aspects of the vehicle's performance in real time. These features can help to optimize the vehicle's performance, improve energy efficiency, and smooth riding experience

Dynamic Console:

An **AI-powered smart screen displays** real-time information on speed, distance, and battery. Additionally, the real-time DTE can significantly enhance the user experience of electric scooter riders, making it safer, more efficient, and more convenient to make an informed decision for commuting

Comfort+ Ride:

A comfortable, stylish, and functional scooter that provides adequate support and ergonomics for both the rider and the pillion. The well-cushioned seat ensures a comfortable ride during long journeys on varied terrain. It's **soft cushioning, sleek design, and ergonomic features** make it a top choice for those who value comfort and design in their electric scooter





EXCELLENT BUILD QUALITY

5g / Rugged Chassis:

Our R&D team has extensively analyzed feedback from 700,000 on-road vehicles to enhance the product design and technology to meet the varied rider requirements. The R&D team has evolved a one of its kind 'cross web structure' chassis that is rugged and sturdy on overloads and varied terrains, resulting in a solid grip at all speeds and sharp corners on the roads



RANGE BOOSTERS

Experience hassle-free trips with our state-of-art technology!

Enhance your driving efficiency during normal operation of your e-scooter by activating the **range booster mode**, You can activate this function by pressing the Multifunctional Switch (MFS) for 2-3 seconds above the min. speed of 10 kmph. This ensures minimum wastage of battery power giving you upto 20% extra range for uninterrupted journeys.

Auto Reserve Mode activates when the battery reaches at 20% level, automatically reducing the speed to a point where the battery consumption is least, giving you that extra mile to take you to your destination!

KEY FEATURES



Powerful Hub Motor



Smart Informative Instrument Cluster



Parking Brake



Regenerative Braking & Telescopic Suspension



USB Charger



KNOW MORE ABOUT YOUR OPTIMA..

MODELS	OPTIMA CX5.0 #	OPTIMA CX2.0
Range**	135 Km/ch.	89 Km/ch.
Max. Speed	48 55 Km/hr.	48 Km/hr.
Speed Modes	Eco / Power	Eco
No. of Battery	Double Battery	Single Battery
Battery Capacity / Rating @c5 *	51.2V / 30Ah x 2 28.5Ah (95% Depth of Discharge)	51.2V / 40Ah 38Ah (95% Depth of Discharge)
Battery Charging Time*	6.5 hrs.	4.5 hrs.
Motor Power	1.2KW Rated / 1.9 KW Peak	
Motor Type	BLDC Hub Motor	
Tyre Size	90/90-12 (Tubeless)	
Charger *	10A Smart Charger (Unique CAN ID)	
Kerb Weight	102 kg	93 kg
Ground Clearance	165 mm	
Gradeability	7 degrees	
Seating Capacity	Two Adults	

Dark Matt Blue

Matt Maroon

*T&C Apply. *Battery production has a tolerance band as per standards. ** Range mentioned is as per IDC tested at ARAI with Single Rider. Practical range may vary around 25% to 35% based on road speed, acceleration and braking, battery charge and battery aging, tyre pressure and maintenance of vehicle etc. # The customer should use both batteries, using one battery and not using the other battery while keeping it in discharged state will deteriorate the unused battery.

3 Years Warranty*

on Mechanicals and Electricals

*OR 30,000 Km whichever comes earlier speaks about the excellent quality of the upgraded versions

4 Years of Free Services

unlocks the new level of cost-saving benefits for Hero Electric's long term customers

T&C Apply. #Only labour cost free. consumable not included. Hero Electric reserves the right to change or withdraw any clause of Warranty/offer without any prior information.



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Dealer Stamp