

## **Ebike Charging Stations with Auto Induction charging Ensures Protection**

The e-bike charging stations are a wireless charging station for electric bikes for rental and sharing business.

### **Why do we need to use electric bike charging stations?**

1. E-bikes operators do not need to change batteries manually and save a lot of labor cost;
2. E-bikes can be parked and locked simultaneously effortless;
3. By ebike charging stations,charging frequency and charging safety can be controlled;

Automatic power-off  
when fully charged

High-definition voice  
broadcasting

Battery is fully  
charged

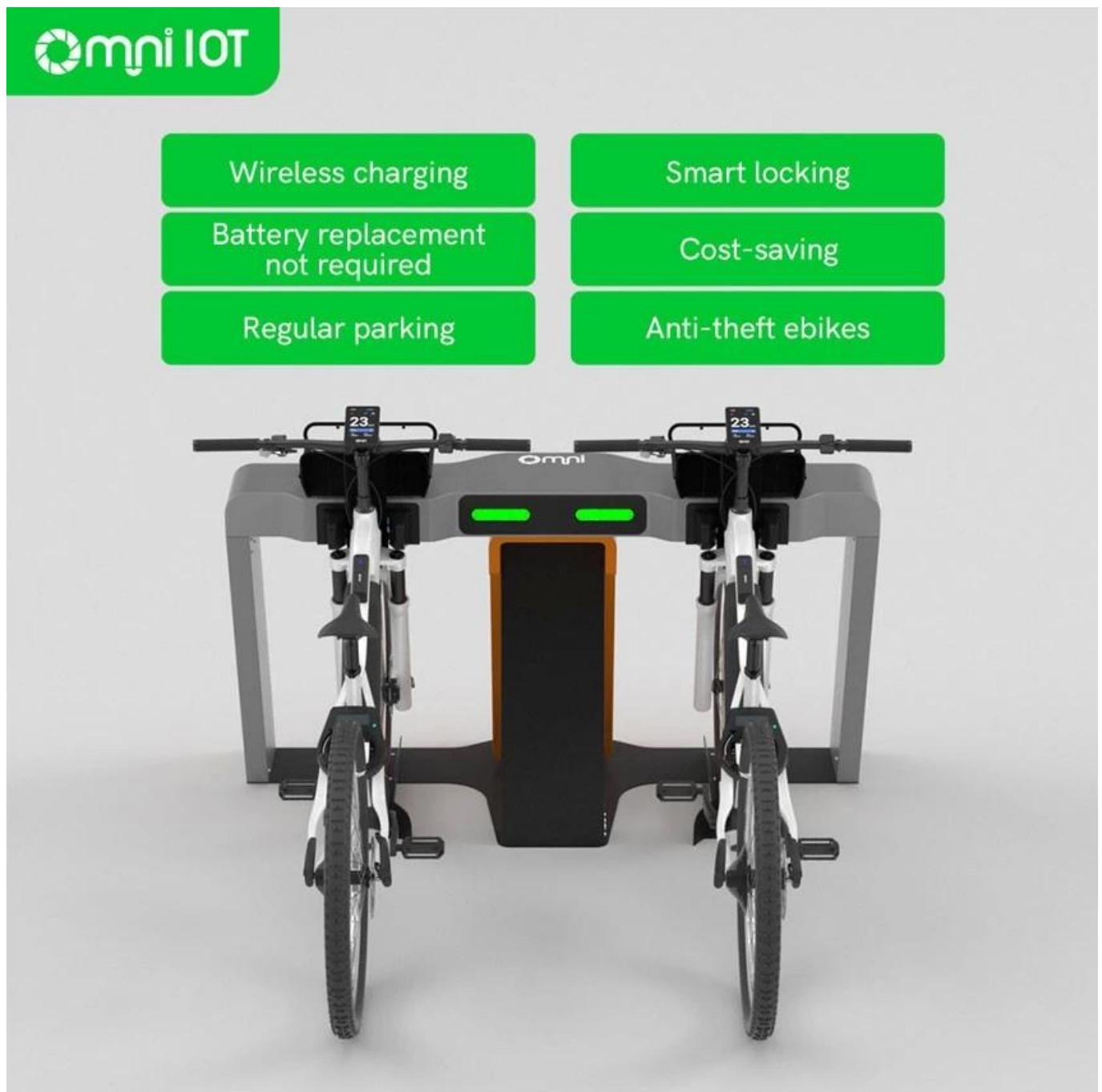


## The advantages of OMNI ebike charging stations

### For the Charging

1. The Ebike charging stations adopt magnetic resonance wireless charging technology, realizing an intelligent wireless charging system for vehicles, avoiding safety hazards caused by frequent battery exchanges and centralized charging.

2. The Ebike charging station feature automatic power cutoff when fully charged and temperature detection functions, effectively ensuring charging safety management and preventing potential hazards.



# APPLICATION SCENARIOS

Suitable for neighborhoods, tourist spots, industrial parks, campuses, and hospitals.



## For the Cost

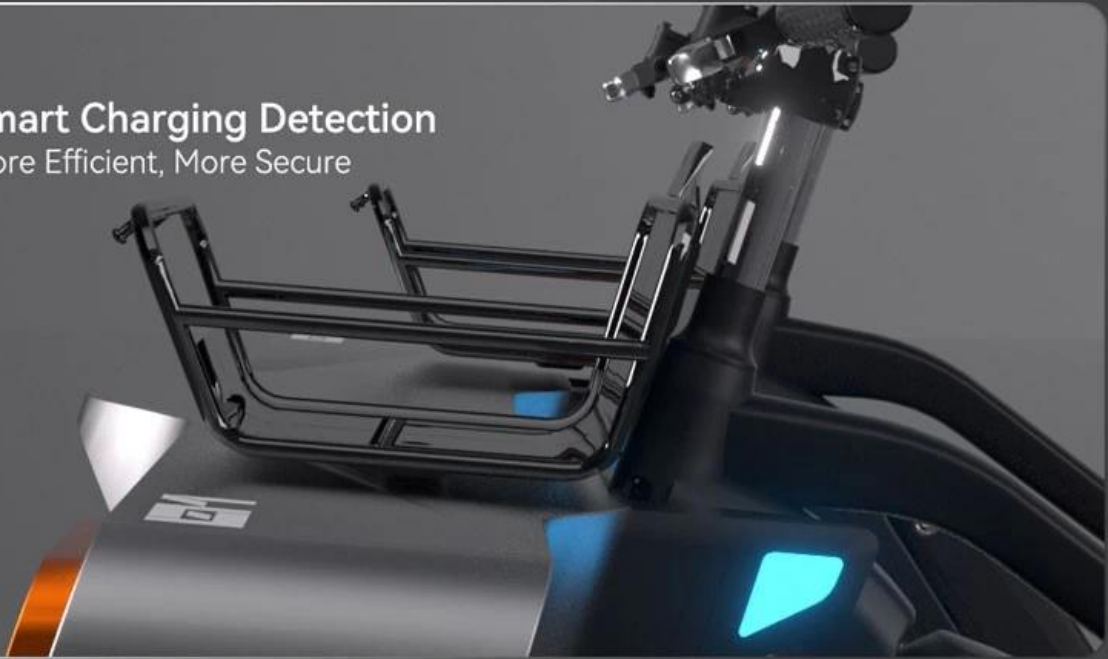
1. Effectively avoiding the current platform operation, increasing the demand for battery replacement by 30%.
2. Reducing the fixed cost per vehicle by an average of US \$82.98-138.3.

## For the Ebikes Management

1. Less manually working, less labor cost.
2. By employing OMNI Ebike charging stations, we can reduce the back-and-forth scheduling tasks.
3. Utilizing an online task mode allows users to autonomously return vehicles to charging stations, earning additional rewards and incentives.

## Smart Charging Detection

More Efficient, More Secure



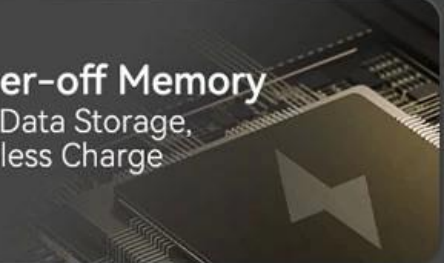
## Auto Power Cut-off When Full

Prevent Overcharging,  
Extend Life



## Power-off Memory

Auto Data Storage,  
Seamless Charge



## One Device, Dual Control

Two Cars, Simultaneous Charging



## Audio Broadcast

Real-time Charging Status



## OTA Remote Upgrade

App Remote Fix/Upgrade



## The Working Process of Ebike Charging Stations

1. The user scans the vehicle's QR code, and the server issues an unlock command.
2. Upon receiving the unlock command, the vehicle's IoT device transmits the command wirelessly to the charging station via wireless charging RX module, and then unlocks the vehicle synchronously.
3. After receiving the unlock command from the IoT devices, the ebike charging station unlocks the vehicle dock, turns off the wireless charger, and reports the status information of the vehicle dock to the server.
4. The user takes the vehicle and begins riding.
5. After finishing the ride, the user pushes the vehicle back to the ebike charging station, and upon successful identity verification, the vehicle is locked and starts charging.

