

# OMRON

## SUPPLY POWER WIRELESSLY with OMRON WPT Modules



WPT Module

OMRON's Wireless Power Transfer (WPT) modules provide contactless charging for all types of small mobility applications such as Bike-share and Scooter-share, Autonomous Mobile Robots (AMR), Autonomous Guided Vehicles (AGV), Robotic Lawnmowers, etc.



High Durability



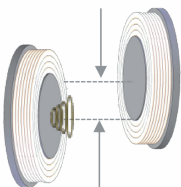
Waterproof  
& Dustproof



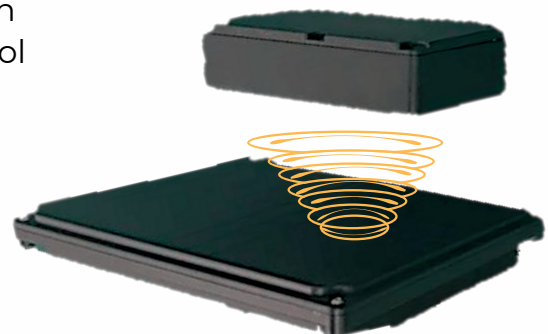
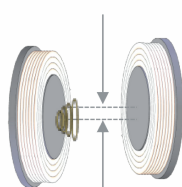
Reduced Risk of  
Electric Shock

Omron utilizes our patented 2nd Resonance technology to provide high efficiency charging even if there is a large coil offset (large coil misalignment). Omron provides optimum design technology by unique algorithm design to control optimal charge frequency and unique circuit design for switching and energy loss reduction.

**OMRON:**  
Large offset 1/2 coil radius



**General technology:**  
small offset



# Wireless Power Transfer (WPT)

## Small Mobility

Omron WPT modules can provide power between 100W and 500W with any combination of voltage, current and battery type. It is optimal for charging batteries of small mobility devices. (E-Bike, E-Scooter, AMR, AGV, Robotic Lawn Mower, and more!)



### Bike Share

With share bike & scooter applications, there are high operation and maintenance costs associated with battery charging and swapping. OMRON WPT solutions contribute to reduced operational costs while providing robust charging for outdoor applications.



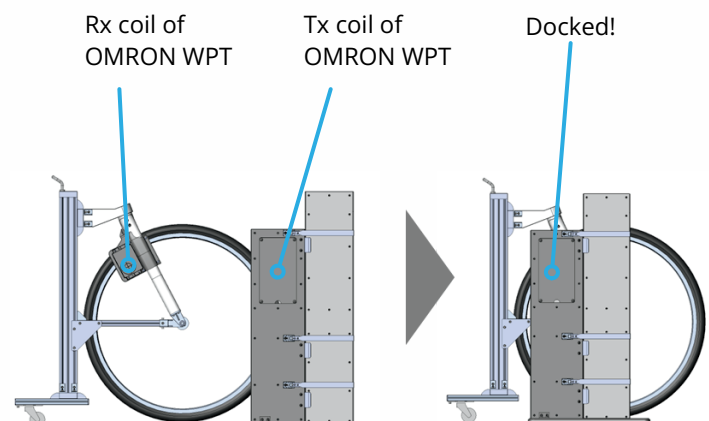
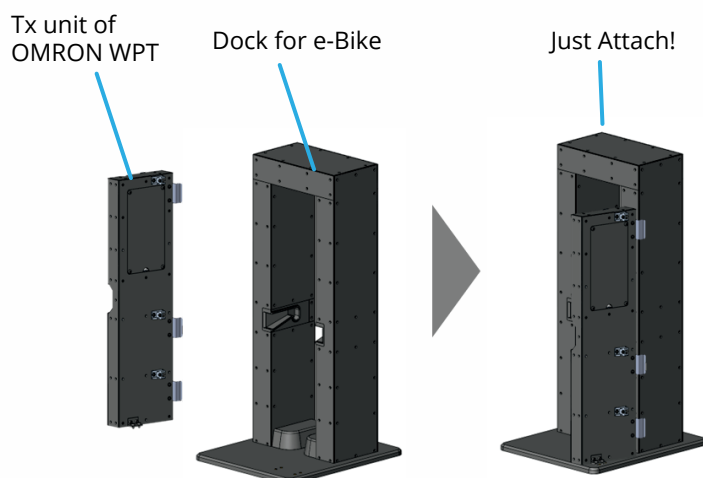
### E-Bike / E-Scooter

Omron WPT can provide many advantages to the consumer e-bike and e-scooter applications. Providing high durability and reducing the maintenance on mechanical charge systems.

## Retrofitting Omron WPT

You can easily add the wireless power supply function simply by retrofitting OMRON WPT to the dock.

Power can be reliably supplied without the coil shifting when docking.



**CONTACT**

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