



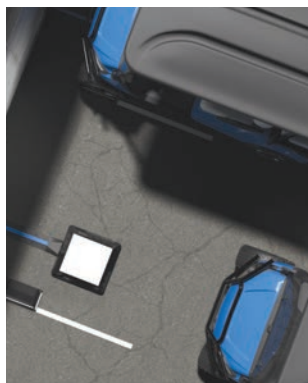
# The WiTricity MR/1™

## Wireless Charging System



### The WiTricity MR/1™ Wireless Charging System

Effortless charging for fleets of LSVs, NEVs, golf and other carts—at golf courses, universities, airports, amusement parks, marine ports, or in hospitality settings. The MR/1 Wireless Charging System eliminates the hassle and hazard of cables, plugs, and failed connections. Simply park over the Power Hub, and charging begins automatically—no human intervention required.



#### Flexible Fleet Solutions

- One Power Hub can service multiple vehicles, reducing installation costs.
- Compatible with a wide range of Lithium Ion and Lead Acid battery technologies.

#### Eliminate “charge anxiety”

- Fleet operators no longer need to worry about forgotten plugs or depleted batteries.
- Consistent, automated charging ensures vehicles are ready whenever they are needed.

#### Easy, Reliable, and Safe

- Quick, one-time installation to a standard electrical outlet, or hardwired on a dedicated 15A circuit.
- Fully operational indoors or outdoors, in all weather conditions.
- Designed to meet safety standards (also FCC compliant).
- Durable construction for high-traffic, high-use environments.
- Maintains conductive plug-in capability for off-site charging.

# Technical Specifications

| Section   | Specification                               | Value / Range                          | Notes  |
|-----------|---|--|--|
| System    | Output Power to Battery                     | 900 W                                  |  |
|           | WPT Operating Frequency                     | 85 kHz                                 | —  |
|           | Ground Clearance Range                      | 6–8 in (160–200 mm)                    | With risers 9 in < Z < 10.6 in (230mm < Z < 270mm) for lifted vehicles |
|           | Parking Alignment Tolerance (Side-to-Side)  | ±2 in (±50 mm)                         | —  |
|           | Parking Alignment Tolerance (Front-to-Back) | ±2 in (±50 mm)                         | —  |
|           | Operating Temperature                       | -4 to 104 °F (-20 to +40 °C)           | Power may derate above this temperature                                |
|           | Communications                              | WiTricity Proprietary Protocol         | Receiver ↔ Power Hub   |
|           | Regulatory Compliance                       | FCC Part 18, Part 15c, IEEE C95.1-2019 | Meets RF exposure and safety requirements                              |
| Power Hub | Dimensions                                  | 23 × 22 × 3.5 in (580 × 555 × 90 mm)   | —  |
|           | Weight                                      | 49 lbs (22 kg)                         | —  |
|           | Installation                                | On ground                              | Optional anchor mounting   |
|           | Input Voltage                               | 90–264 VAC (120 VAC nominal)           |  |
|           | Input Frequency                             | 50/60 Hz                               | —  |
|           | Max Input Current                           | 12 A                                   | Use with 15 A breaker or higher  |
|           | Power Cable Length                          | 15 ft (4.5 m), GFCI included (U.S.)    | —  |
|           | Relative Humidity                           | Up to 95% RH                           | Non-condensing   |
|           | Max Operating Elevation                     | 6,500 ft (2,000 m)                     | —  |
|           | Environmental Protection                    | IP65                                   | Suitable for outdoor environments                                      |
|           | Drive-Over Rating                           | 1,000 lbs (454 kg)                     | —  |
|           | Safety Standards                            | UL 62368-1, GFI                        | —  |
| Receiver  | Dimensions                                  | 11.9 × 12 × 3.6 in (301 × 305 × 92 mm) | —  |
|           | Weight                                      | 13 lbs (6 kg)                          | —  |
|           | Service Life                                | 10+ years (typical)                    | —  |
|           | Operating Temperature                       | -4 to 104 °F (-20 to +40 °C)           | Power may derate above this temperature                                |
|           | Relative Humidity                           | Up to 95% RH                           | Non-condensing   |
|           | Max Operating Elevation                     | 6,500 ft (2,000 m)                     | —  |
|           | Output Voltage Range                        | 36–90 V                                | Set by firmware preset   |
|           | Max Output Current                          | 20 A continuous                        | —  |
|           | Environmental Protection                    | IP69K                                  | Highest dust/water/high-pressure protection rating                     |

