

the power to connect wirelessly™



HELIOS™

WIRELESS CHARGER



Leggett & Platt
INCORPORATED

Diversified manufacturer (and member of the S&P 500) Leggett & Platt® is redefining the way business gets done with applications of eCoupled™ intelligent wireless power. eCoupled is an evolution in traditional energy that delivers power through an advanced wireless infrastructure.

Through a partnership with Fulton Innovation, the inventor of eCoupled, Leggett & Platt is leading the commercialization of eCoupled technology to power products in commercial vehicles, and residential and industrial furnishing applications. Leggett & Platt is also pioneering surface-side wireless power options for office, healthcare and educational furnishings.

As the low and medium-power charging supplier for eCoupled technology, the Leggett & Platt Helios™ is the energy source inside eCoupled-enabled surfaces that charges devices. Leggett & Platt's use of this technology transforms ordinary work and storage surfaces into wireless charging centers. From laptop computers to cellular phones to power tools, eCoupled technology uses a virtual power circuit to connect eCoupled-enabled surfaces to eCoupled devices.

SAFE

Reduces the risk of electrical shock by eliminating electrical outlets and exposed metal connectors between the charging surface and the eCoupled device.

Protects electronics from electrical surges.

CONVENIENT

Eliminates the jumble of power cords and portable charging devices.

Charges multiple devices regardless of voltage.

Accepts low-, medium-, and high-power electronics.

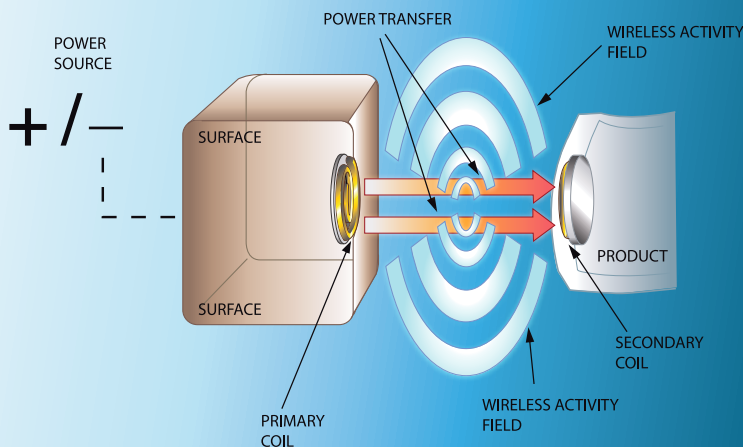
Supports wireless data transfer at rates up to 1.1 Mbps.

EFFICIENT

Transfers power at rates up to 98% (comparable to traditional power sources) and reduces energy being wasted through inefficient chargers.

Supplies only the necessary power needed to fuel electronics. Once a maximum charge is reached, the technology shuts off and LED indicator lights denote a full charge.

Simplifies product design and extends battery life.



HOW IT WORKS

eCoupled technology uses inductive coupling to wirelessly power any electrical device. Primary coils placed in an eCoupled surface transfer power to secondary coils in the device, wirelessly charging the product. When the eCoupled area of a product comes into contact with an eCoupled charging zone, the technology intelligently recognizes the product, interprets its power needs and immediately begins to transfer power.

Wireless power is a proven technology developed by Fulton Innovation that has been on the market for more than six years. It maximizes energy transfer efficiencies by as much as 98% at 120 v / 1.4 kw and eliminates the need for power cords and battery chargers.



Frequently Asked Questions



Who developed eCoupled technology?

Fulton Innovation developed eCoupled technology and has worked with it for more than 10 years. Fulton is headquartered in Ada, MI, and develops new technologies for commercial and residential use.

Through its partnership with Fulton Innovation, Leggett & Platt has developed Helios, the energy source inside eCoupled-enabled surfaces that charges devices. Leggett & Platt is leading the commercialization of eCoupled technology to power products in commercial vehicles, and residential and industrial furnishing applications. Leggett & Platt is also pioneering surface-side wireless power options for office, healthcare, and educational furnishings.

Visit FultonInnovation.com for more information about eCoupled's inventor.



Why is wireless power unique?

Wireless power uses inductive coupling to transfer energy from a charging surface to any eCoupled-enabled device. The Leggett & Platt Helios, the energy source inside eCoupled surfaces, adapts eCoupled technology's operation to match the needs of the devices it powers. This two-way communication determines not only a device's power needs, but also its battery life and charging lifecycles, keeping devices running at peak efficiency.

How much power can a wireless power source supply?

The Leggett & Platt Helios can power a range of devices from the milliwatts required by a cellular phone to the kilowatts required by laptop computers. The Leggett & Platt Helios' medium-power application is capable of providing up to 100 watts of power.



Once a device is fully charged, will the technology continue to charge?

eCoupled technology is intelligent wireless power. Two-way communication between the charging surface (primary-side or surface-side) and the device (secondary-side) determines not only the device's power needs, but also its battery life and charging lifecycles. The Leggett & Platt Helios intelligently responds to the power needs of the device and supplies electricity accordingly. When the device reaches a full charge, the Leggett & Platt Helios shuts off to prevent overcharging.



HELIOS™

How long does it take to charge devices wirelessly?

Devices charge at a rate comparable to traditional power sources.

Will any electronic device work with eCoupled technology?

The Leggett & Platt Helios is designed to work with other eCoupled-enabled devices. For wireless charging to occur, the surface- or primary-side technology using a Leggett & Platt Helios must be paired with another eCoupled-compatible device.

Visit eCoupled.com for a list of eCoupled partners.

How does wireless power benefit consumers?

The practical benefits behind wireless power are obvious. Anyone who has been inconvenienced by wires, cords, and chargers can look forward to charging their devices wirelessly. Simply place the device on the charging surface and electronics recharge, wirelessly. Additionally, wireless power is designed to boost efficiency by reducing time lost to off-site and home charging.

How much will eCoupled-enabled products cost?

Pricing varies by product type and manufacturer, but in general the addition of Leggett & Platt's Helios technology to a product's existing design platform is competitive.

Can eCoupled technology transfer data?

Fulton's eCoupled technology will wirelessly transfer data up to 1.1 Mbps.

Is eCoupled technology proven? How do we know it works?

Wireless power is a proven technology developed by Fulton Innovation. Fulton Innovation uses eCoupled technology in its eSpring water filtration system, which has been on the market for over six years with more than 1.5 million devices sold in 36 countries.

