

FACT SHEET

COMPANY

Fulton Innovation LLC

LOCATION

Ada, Michigan, USA

WEB SITE

ecoupled.com

MISSION

Fulton Innovation, a division of Amway Inc., is bringing eCoupled™ technology to market. The eCoupled technology mission is to drive development of the most advanced wireless power technology solution by partnering with leading organizations to make wireless power a reality across a wide range of industries.

TECHNOLOGY

Power is a current which takes the path of least resistance when broadcast across an open space—unless it is controlled. Traditional power cords serve as physical channels for power to travel through, controlling the path of the energy. eCoupled technology eliminates the need for power cords by creating an electromagnetic conduit combined with an intelligent control system that constantly monitors the power flow to insure optimal efficiency and safety.

The intelligence of eCoupled technology allows it to dynamically seek resonance and optimize power transfers at high efficiencies (greater than 98% at 120 volts/1.4 kilowatts) under multiple, varying spatial configurations and load conditions—from low-power to high-power applications. Power and data can now be efficiently transmitted to virtually any electrical device without the constraints of cords, connectors or contact points. And the solution can be either adaptive or integrated. This means that different devices from different brands requiring different power needs can share a single power source creating a truly interoperable solution at energy costs comparable to hard-wired connections.

Through its advanced identification protocol, eCoupled technology adapts its operation to match the needs of each device it powers by communicating with it in real time. It assesses and determines not only power needs but also factors in battery or device age and charging lifecycles. It provides only the necessary power needed to keep a device operating at peak efficiency.

Additionally, eCoupled technology authenticates any device within range. If a device or object is not immediately recognized as eCoupled compatible, the power source will not supply power to it, maintaining a safe operating environment. eCoupled technology has been validated by standards organizations in 36 countries for safety, electromagnetic compatibility (noise) and other international performance criteria.

KEY FEATURES

- Dynamic control and interoperability
- Identification and authentication using a communications protocol
- Parasitic metal detection
- Green
- No more cords, no more limitations
- Only powers eCoupled-enabled devices within range with no exposed connectors
- Can charge or power devices from milliwatts to kilowatts
- Over 1.5 million devices using eCoupled technology in the marketplace for more than seven years