



THE FUTURE OF POWER

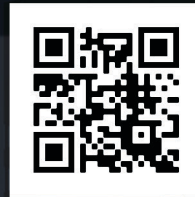
Powercast's embedded wireless power technology provides long-range, true wireless charging without wires or charging mats to enable completely untethered devices. FCC-approved RF transmitters pair with high-efficiency receiver chips to enable power-over-distance recharging of multiple devices.

A transmitter sends RF energy over the air to a receiver chip embedded in a device, which converts it to DC to recharge its batteries or directly power the device. This remote charging technology behaves like Wi-Fi where enabled devices automatically charge when within range of a power transmitter.

PRODUCT DESIGN

Powercast provides specialized custom engineering services for unique and demanding wireless power applications.

Our solutions support commercially viable wireless power products that work at distances ranging from inches to 80 feet. We work with our customers through all stages of the design process to ensure that their products are designed to manufacture and will meet their customers' expectations.



More info

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THE TECHNOLOGY

Powercast's embedded wireless power technology provides long-range, true wireless charging without wires or charging mats to enable completely untethered devices.

Transmitters

PowerSpot and Powercaster transmitters provide a reliable source of wireless energy to power, over a distance, devices equipped with Powerharvester® receivers.



Receiver Chips

Powercast's Powerharvester RF-to-DC Converter Chips are the core component which convert RF energy to DC power. When paired with tuning components and an antenna, these chips can harvest RF energy from 10MHz to 6GHz.



 - PCC110

 - PCC210

Use Case

A transmitter sends RF energy over the air to a receiver chip embedded in a device, which converts it to DC to recharge its batteries or directly power the device.

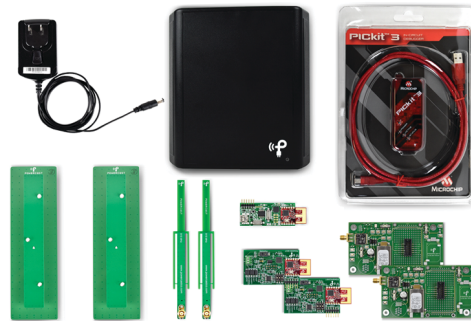


- 1** Transmit
- 2** Receive
- 3** Charge or Power

DEVELOPMENT KITS

Powercast development kits and evaluation boards enable simple and fast testing and prototyping with RF-based wireless power technology.

Lifetime Power® - Wireless Sensors



Lifetime Power® - Battery Recharging



PowerSpot® - Battery Recharging



Products available from:



PRODUCTS

Powercast technology can currently be found in many different products and is being implemented in more products every day.



Experience. Engineers. Equipment.

- 18 years in business
- Products in the market since 2007
- 20+ Engineers (RF, Electrical, Mechanical, Software)
- 63 issued Patents
- Full product development lab with state-of-the-art equipment
- In-house prototype ability for quick turn around

If you would like to learn more about RF Wireless Power, please email info@powercastco.com or visit our website at powercastco.com.

