

Wireless Charging

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ABSTRACT



In wireless charging energy is sent through a coupling to an electrical device, which can then use that energy to charge batteries or run the device. Wireless chargers typically use an induction coil to create an alternating electromagnetic field from within a charging base station, and a second induction coil in the portable device takes power from the electromagnetic field and converts it back into electrical current to charge. An emerging technology that is being adopted heavily by wireless chargers is inductive charging. This wireless transmission technique uses a magnetic field to transfer electricity, allowing compatible devices to receive power through this current, rather than utilizing conductive wires and cords.

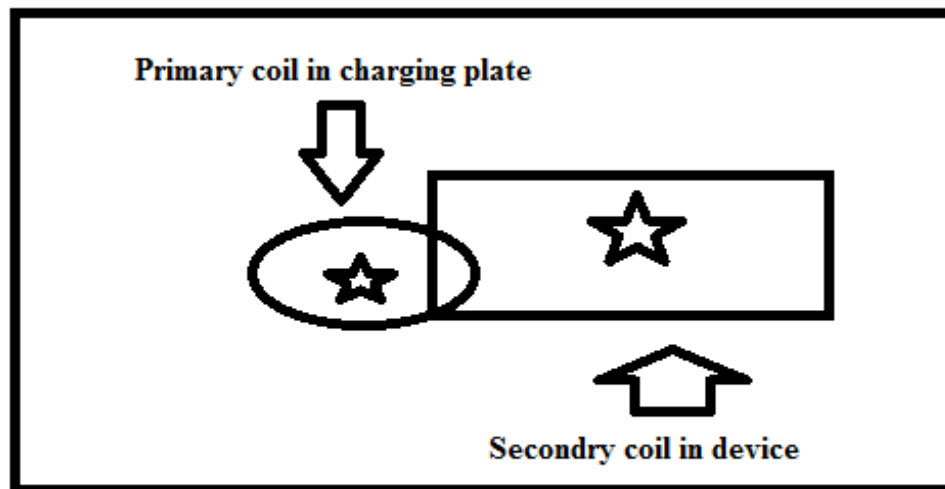


Figure 1 Shows Wireless charging

We go little deeper into the technology behind this technique and the various components thereof. Inductive charging is a method by which a magnetic field transfers electricity from an external source (the charger) to a mobile device (your phone, PSP, etc.) without the use of standard wiring. It does this by generating a magnetic field and creating a current in the receiving device. With the compatible receiver attached to your device – in the form of a clip, case or sleeve – electricity can move through the air and recharge your device's battery.

REFERENCES:-

- 1. Wireless-charger-review.toptenreviews**
- 2. Wireless-chargers-inductive-charging-explained.**
- 3. Wikipedia.**