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NEWS

LG Innotek's latest wireless charger is three times faster

LG Innotek has unveiled its new 15 watt wireless charging transmitters, which can take your phone from 0 to 50% battery in just 30 minutes.

By Robert Triggs · March 31, 2016



Wireless charging is a pretty neat, somewhat luxurious feature tucked away inside some high-end smartphones. But in the modern days of battery guzzling processors and fast charging wired alternatives, wireless charging just isn't quite useful enough to breakthrough as a mainstream feature. That being said, LG Innotek has just announced some new wireless transmission modules that can apparently charge up a phone as quickly as today's speedy wired chargers.

The company claims that its new transmitters are three times faster than before and that they can charge a fully discharged battery from 0 to 50 percent in just 30 minutes. This has been accomplished by boosting the transmission power from the typical 5W all the way up to 15W. This comes close to the amount of power available from technologies such as Quick Charge. However, wireless transmission has additional efficiency losses, so it's not going to be quite as fast but is still a notable improvement.



"The development of the 15-watt wireless charging module is a success achieved through our active response to the needs of the customers and changes in the market." – Gil-Sang Park, LG Innotek head of Automotive Components and Electronics laboratory

Furthermore, LG Innotek's new transmission modules are cross compatible with a range of existing wireless charging specifications. It follows the Wireless Power Consortium and AirFuel Alliance standards, supporting both 15W WPC and 5W PMA. This means that the modules can be used with a wide range of products, including smartphones, without having to worry about the specific brand or wireless power type inside.

The company is working with global power chip companies to develop wireless charging technologies for a wide selection of products, ranging from home uses to automotive and business environments. LG Innotek will begin mass production of its new 15-watt wireless transmissions modules within the year.

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LG Innotek Unveils Transmission Modules for Quick Wireless Charging

Seoul, Korea, Mar 31, 2016 – LG Innotek, a global materials and components manufacturer, today announced the newly developed 15-watt transmission modules for wireless power charger that can supply the same amount of electric power supplied by wired chargers. It plans to start its mass production within this year.

The transmission module has been developed for smartphone wireless power charger with performance equivalent to wired chargers. It shortens the entire charging time and enhances user convenience since it is compatible with diverse charger specifications.

Wireless power chargers consist of transmitter and receiver. The transmitter supplies power to smartphone in the form of charger pad or holding platform. Embedded in smartphones, the receiver charges the battery by generating induced current by responding to the transmitter part.

LG Innotek has further enhanced the charging speed, compatibility, and application areas with the new 15-watt transmission module for wireless power chargers.

The module for wireless power chargers supplies power to charge a fully discharged battery up to 50% within 30 minutes. Its charging speed is three times faster than the existing 5-watt wireless charging modules.

Furthermore, this product features outstanding compatibility since it supports diverse wireless charger specifications. It can be used on majority of commercial smart phones supporting wireless power chargers. It interoperates with the 9-watt receiving modules that were recently supplied along with WPC 15W or PMA 5W. It also follows the standards of both World Wireless Power Consortium (WPC) and AirFuel Alliance, which are international standards organizations on wireless power chargers.

LG Innotek's 15-watt transmission module can be used on wireless power chargers installed on vehicles as well as wireless chargers used at home or office. The company has secured quality at the level of automotive electronic parts under a strategic alliance with developers of the world's major power chipset manufacturers.

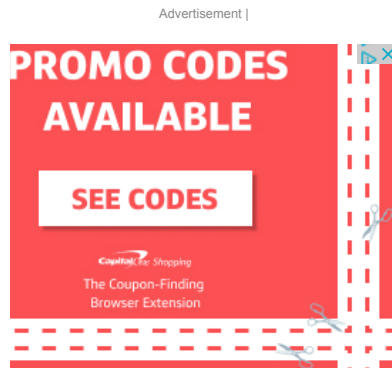
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The company's core technologies include those for wireless communication, power circuit design, and new materials make success of the development of the 15-watt transmission module for wireless power chargers.

In addition, the company has supplied wireless power charger receiving modules to global smart phone manufacturers such as LG Electronics, Motorola, and Kyosera starting with Google Nexus 4 in 2012. It attracted attention by last year's

introduction of 5-watt transmission modules that exceeded 70% charging efficiency.

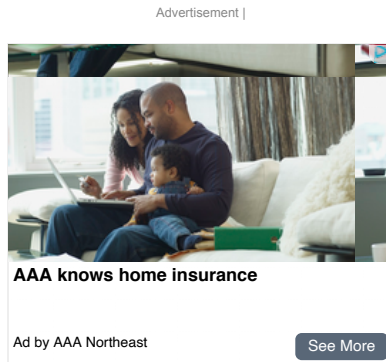
LG Innotek plans to respond actively to market changes as the current wireless power charger market so far, which is formed around home or offices, will expand to automobiles and public places. The company has already supplied modules for wireless power charger to the global automotive company in June last year.



“The development of the 15-watt wireless charging module is a success achieved through our active response to the needs of the customers and changes in the market. We will continue to provide convenient, safe, and pleasant user experiences by concentrating all our resources on the creation of customer values.” said Gil-Sang Park, head of the company’s Automotive Components and Electronics laboratory.

About LG Innotek Co., Ltd.

LG Innotek is a cutting-edge materials and components manufacturer and an affiliate of LG group. The company’s business units include core components for mobile, automotive, display, semiconductor, IoT and LED. Further, the company has cooperated closely with mobile device, home appliance and automotive companies, producing camera modules, automotive electronic components, wireless communication module, substrate materials and LED.



LG Innotek is headquartered in Seoul, Korea and its sales subsidiary is located in San Jose, California. For more information, please refer to the website: www.lginnotek.com,

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