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## Wireless Power Transmission for Consumer Electronics and Electric Vehicles 2012-2022

Brand new for September 2011

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“ The most vibrant WPT markets will be the contactless charging of portable and mobile equipment ”

### Description

Over the next decade, the most vibrant Wireless Power Transmission (WPT) markets will involve the contactless charging of portable and mobile equipment, in particular consumer electronics and electric vehicles and this is the focus of this report. These two aspects go together because the technology is similar, some proposed standards overlap and some suppliers seek to serve both markets.

#### Market for Electric Vehicles Sold in the World 2012-2022

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Heavy industrial	453										
Buses	22.2										
Light industrial/commercial	262.9										
Mobility for the disabled	1,300										
Two-wheel and allied	34,000										
Cars	1,637										
Golf car	265										
Military	22.6										
Marine	71										
Other	1,600										
<b>Total</b>	<b>39,634</b>										

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Source: IDTechEx

Later, this will lead to contactless power for a high proportion of static consumer, industrial and military electronics. For now, it primarily concerns wireless charging of lithium-ion batteries in portable consumer electronics and in land, water and airborne electric vehicles, particularly cars, both hybrid and pure electric. These travel considerable distances and ready availability of standard, convenient ie contactless, charging capability is key to their widespread adoption. To the user of consumer electronics, this is particularly driven by the ever greater functionality and longer hours of use of mobile phones calling for frequent charging, given that the batteries are not improving fast enough.

Consumer electronics has a very powerful driver towards contactless charging in the form of the extreme inconvenience of the proliferation of electrically charged products each with an incompatible charging power supply, three to four billion units being made every year - a potential market for wireless charging pairs of up to ten billion