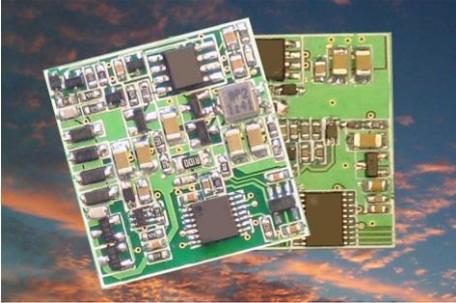


# Ag300 Series

V1.0  
August 2013

## Qi compatible Wireless Charging Module set



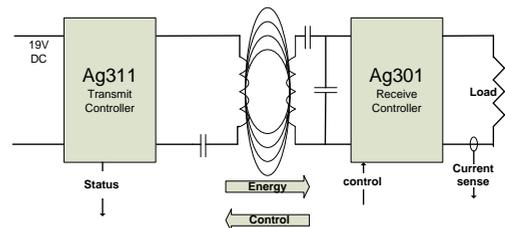
- **Compact, low profile Qi compatible Transmit & Receive power modules**
- **Both modules just 27mm x 27mm**
- **Up to 5 Watts Output Power**
- **Automatic receiver identification**
- **Foreign object detection**
- **Safety features: Overload and short-circuit protection**
- **Low standby power consumption**
- **Requires minimal low cost external components for simple integration**

Silvertel's Ag300 series is our first Qi compatible module set available. Ag300 modules allow simple and fast design of Wireless Charging products. This solution delivers all the benefits of wireless charging, including improved safety, with no cables or exposed contacts, in an easy to integrate module set. Full safety and control features are built in to both the Transmit and Receive pair of Ag311 and Ag301 respectively. Silvertel's solution is ideal for medical, industrial, scientific or commercial applications requiring a robust wireless charging design.

This is a Qi type A1/A10 half-bridge based solution, single coil with or without an aligning magnet arrangement, requiring a standard 19V input to the transmitter module.

This is a high efficiency space optimised solution. The receiver module provides a low ripple, low noise regulated output. Overload and short-circuit output protection are built-in. Full evaluation kits are available for both transmit and receive modules. The Receiver provides a 5V regulated output voltage with a peak current rating of 1.2A.

Wireless charging is perfect for hazardous or dirty environments where frequent maintenance is an issue. Standards based charging also removes the need for device specific power supplies. The module is designed for simple integration, requiring the addition of just a few extra components. The controller IC is also available for very high volume applications.



Ag300 Series Solution overview