

- **Ag312 Qi compatible, compact, low profile power transmitter module**
- **Module size: 33 x 29mm**
- **Input Voltage 5V DC**
- **Up to 5 Watts Output Power from receiver**
- **Automatic Qi compatible receiver & foreign object detection**
- **Overload & short-circuit protection**
- **Low standby power consumption**
- **Only a transmitter coil required**
- **Controller IC is available in high Volume**

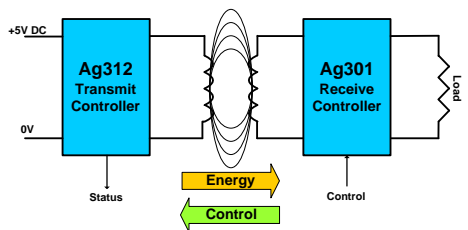
Silvertel's Ag300 series is our first Qi compatible wireless power module set available. Ag300 modules allow simple, fast design of Qi Wireless Charging applications typically used in portable devices. The solution delivers all the benefits of wireless power, including improved safety, with no cables or exposed contacts, in three easy to integrate modules. Full safety and control features are built in to both the Receive (Ag301) and Transmit (Ag312

5V input or Ag311 19V input) modules respectively. They are an ideal solution for medical, industrial, scientific or commercial applications requiring a robust wireless charging design. Silvertel's Ag301 is a low profile, small footprint, highly optimised solution perfect for any number of applications.

Silvertel's Ag312 is a Qi type A1/A10 half-bridge based solution, single coil with or without an aligning magnet arrangement, requiring a standard 5V 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 ideal for supplying the charging circuits of portable devices.

The module is designed for simple integration, requiring the addition of just a standard Qi coil.



Ag300 Series Solution overview