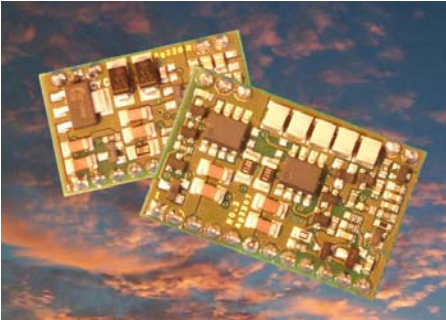


# Ag320

V1.0  
March 2016

## High Power 15W Tx and Rx Wireless Charging Modules



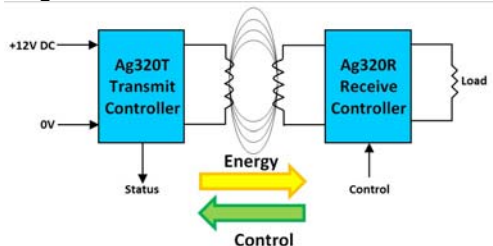
- **Complementary Module Pair**  
**Ag320T (Transmit Power)**  
**Ag320R (Receive Power)**
- **Up to 15 Watts Wireless Power**
- **Low profile DIL package modules**
- **12V Input & 12V Output @ 1.3A Max**
- **Automatic Compatible**  
**Transmit/Receiver Verification**
- **Low bit rate (4 bytes/s) user**  
**accessible data transfer to Ag320T**
- **Overload & Short-circuit Protection**
- **Low Standby Power Consumption**
- **Backwards Compatible with 5W Qi**
- **No external components required**

Silvertel's Ag320 series is a wireless charging module set for higher power applications. Ag320 modules enable the simple, fast design of Wireless Charging products up to 15W. It delivers all the benefits of wireless power for portable or sealed devices, including improved safety, with no cables or exposed contacts, in two complementary and easy to integrate modules.

Full safety and control features are built in to both the Ag320T 12V input Transmit and the Ag320R 12V output Receive modules respectively. They are an ideal solution for medical, industrial, scientific or commercial applications requiring a robust wireless charging design. Silvertel's Ag320 modules are a low profile, small footprint, highly optimised solution perfect for any number of higher power applications. A useful innovative new feature is the ability to transfer low rate data wirelessly from receive side back to the transmit side.

The receiver module provides a low noise and ripple 12V regulated output. Overload and short-circuit output protection are built-in. Full evaluation kits are available for the system. The Receiver provides a peak output current rating of 1.3A, ideal for supplying the power to a wide variety of portable devices and batteries.

The modules are designed to make system implementation and integration as simple as possible, requiring the addition of just a single transmit and a single receive coil.



Ag320 Series Solution overview

*Power & Telecom Module Solutions*

[www.silvertel.com](http://www.silvertel.com)

