

Wireless Energy Harvesting Evaluation Kit

 energous®



e-peas
semiconductors

In partnership with e-peas, this Wireless Energy Harvesting Evaluation Kit gives you a hands-on experience with Energous' award-winning Wireless Power Networks technology and e-peas energy harvesting management chip. This kit is specifically designed to demonstrate the capabilities of these technologies for IoT sensor applications, providing consistent over-the-air wireless power for ESLs (electronic shelf labels), asset trackers, sensors, BLE beacons and other small devices. The result is an all-new reality of mobile, waterproof, maintenance free, smaller, and easier to implement devices.

This Wireless Energy Harvesting Evaluation Kit combines Energous' radio frequency (RF) solution with e-peas' power management IC technology to support at-a-distance wireless power applications for smart buildings, industrial IoT sensors, retail electronic displays and more.

The 1W WattUp® PowerBridge transmitter incorporates the EN4100 and EN3210 devices. The EN4100 is a highly integrated System-on-Chip (SoC) RF transmitter IC, while the EN3210 is a 1W, high-efficiency power amplifier (PA).

The AEM30940 is the system charger and PMIC, configurable for different energy storage elements.



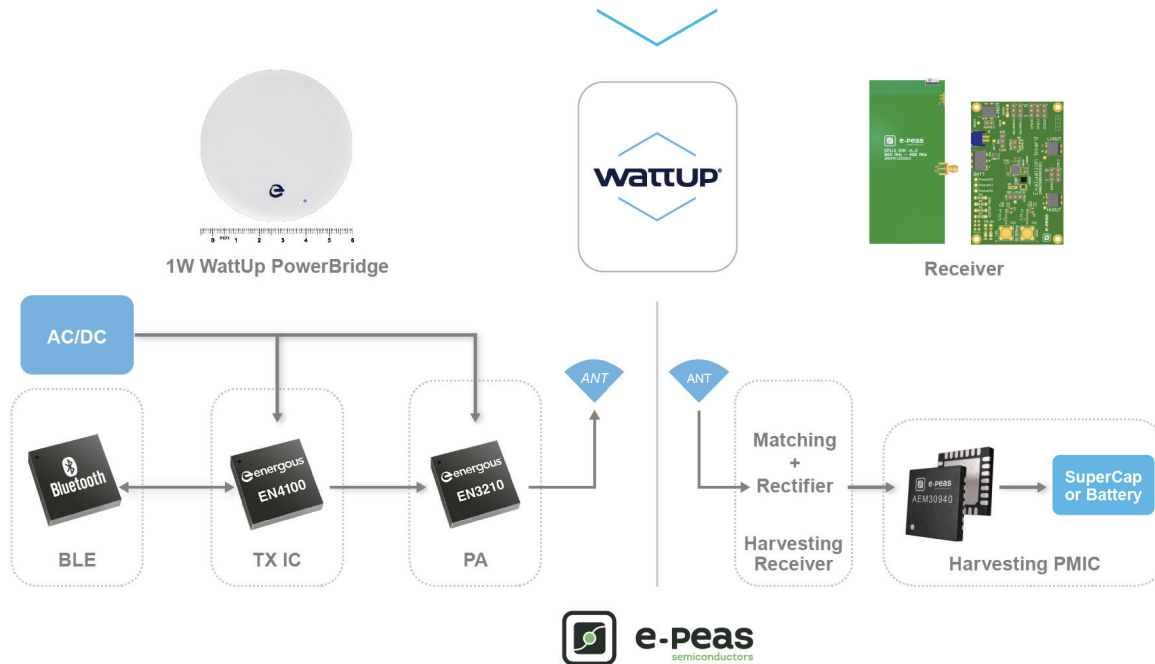
Kit Contents

- 1W WattUp PowerBridge Transmitter (1)
- e-peas AEM30940 RF Evaluation Board
- e-peas EP112 Energy Harvesting Optimized Antenna Evaluation Board





Wireless Energy Harvesting Evaluation Kit Block Diagram



Advantages

- E-Peas AEM30940 Harvesting PMIC with Supercap or rechargeable Lithium battery support
- Low Voltage Operation from 50mV to 5V
- Cold Start from 380mV input voltage

For more information or to order,
please contact: sales@energous.com

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