

Utilizing Solace's patented Resonant Capacitive Coupling (RC²) technology, Equus35 delivers 35W across 100mm. RC² provides non-contact or wireless powering and charging of products and systems through resonant electric fields. Wireless power transfer through electric fields prevents system heating and allows for easy energy shielding with conductive material.

Features

- 35W wireless power transfer solution with a TMR00101-R1A transmitter (TX) circuit board and a RCR00101-R1A receiver (RX) circuit board for fixed-distance transmissions
- Resonator design and output voltage fully customized based on your product requirements
- ISM band operating frequency
- Integrated Bluetooth® Low Energy (LE) for TX-RX control and monitoring communications
- Operating temperature -15°C to 50°C

TX Board

- Dimensions 100 x 81mm
- Input voltage range from 15V to 28V
- Linear output RF power control (0W to 50W)
- Continuous power measurement and control
- Automatic RF output protection/foreign object detection

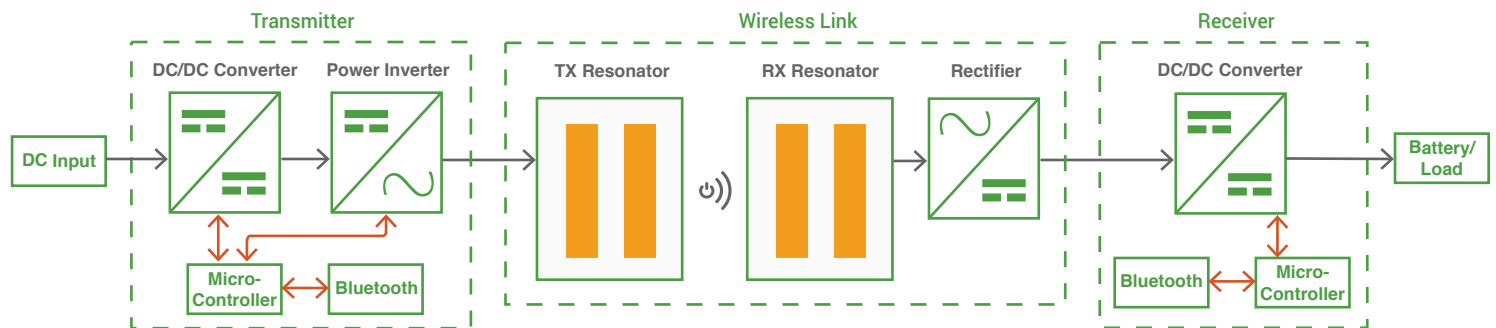
RX Board

- Dimensions 60 x 50mm
- Linear output current control
- Output voltage configurable from 4V to 40V

Potential Applications

Scalable power for use in applications such as industrial and warehouse automation, automotive systems, portable medical devices, reconfigurable furniture plus traditional wireless power applications.

Typical System Design



The Solace Difference

Every use case for wireless power is different. Solace technology is fully customizable based on your unique user requirements. Some key benefits include:



Power transfer up to 150W.



Transfer distance up to 250mm.



No heating nearby metal.



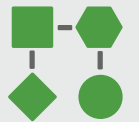
Built-in safety sensing.



Power, sense and data.



Freedom of movement.



Fully customizable for shape, flexibility and thinness.

Get Equus35 working for you. For more information visit us at www.solace.ca or reach out at info@solace.ca.