The Equus™ 60 is a modular, customizable wireless power Tx-Rx solution with inherent proximity sense and enhanced data capabilities. Utilizing Solace’s patented resonant capacitive coupling technology, the solution transmits up to 60 W of power for fixed-distance transmissions. Equus solutions provide noncontact, wireless powering and charging of products and systems through resonant electric fields, without heating nearby metal objects. Solace designs thin, foil-like resonators to provide easy and lightweight energy shielding with conductive materials.

Features
- Wireless power transfer solution with up to 60 W of transmitted power for fixed-distance transmissions
- Proximity sensing for lighting (ON/OFF), security or fluid detection
- Enhanced with data transmission capabilities
- Resonator design and output voltage are customizable based on product requirements
- 13.56 MHz ISM band operating frequency
- Integrated communications for Tx-Rx control and monitoring

Tx Board
- 24 V input voltage
- Linear output power control
- Continuous power measurement and control
- Automatic RF output protection/foreign object detection

Rx Board
- Linear output current control
- Output voltage configurable from 4 V to 40 V

Potential Applications
- Rotational and slip-ring power transfer
- Autonomous vehicle applications such as interior seating and heating systems
- Ruggedized power and data transfer for radios and computers

- Powered helmets, vests and belts
- Medical equipment such as carts, hospital beds and wheelchairs
- Manufacturing and test equipment, such as forklifts and robotics

Typical Application

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