

## Antenna Specifications

The ConvenientPower Systems (CPS) MPP module consists of a coil surrounded by a ring of magnets inside a sealed enclosure. The wireless transmitter is based on the Qi 2.0 standard and can charge an MPP receiving device up to 15W. It also supports charging the legacy iPhone up to 7.5W.

- Coil Manufacturer: Fine Electronics Industrial (HK) Limited
- MPP Module Model: CPS823x
- Power Rating: 15W (Max)
- Frequencies: 127.7kHz (1W and 7.5W) & 360kHz (15W)
- Number of turns: 11
- Winding Direction: CW
- Wire Diameter: 0.08\*65P
- Length of any antenna loop element (or diameter of the circular antenna): 39mm
- Coil Area: 11.95cm<sup>2</sup>
- Temperature Rating: 80C
- Antenna pattern: Radial pattern perpendicular to the coil
- Quarter wavelength for 127.7kHz is 587 meters
- Quarter wavelength for 360kHz is 208 meters
- Connection type to transmitter: Soldered directly to drive circuit on PCBA.

