

QI-02N

Push-Lift Wireless Charger



Description

QI series are embedded wireless charger module for furniture. QI-02N is a multiple charger with wireless output and 2 USB output. The wireless maximum output power of QI-02NW is 10W and enables powering or charging for any WPC-Qi certified products including fast charging function for Samsung® and iPhone® mobile phone. The output power of 2 USB is 10W total. The design of surface mount also provides installation convenience without affect the appearance of furniture.

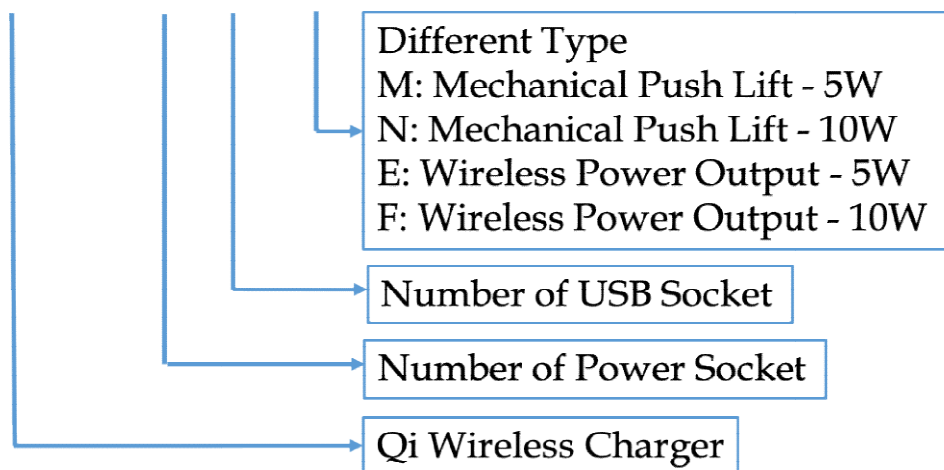
QI-02N Block Diagram



Figure 1. The block diagram of QI-02N

Coding Rule

QI - 0 2 N



LED Indication

LED Color	State
Blue LED	Charging
Red LED	Error (Ex: short circuit or over current)

Spec and Features

Item	Specifications
Safety Certification	WPC Qi Standard, Qi-ID: 7079
Size	Φ 87 mm, H 50.3mm
Power Input	12V / 3A adapter
Power Output	Wireless 10W, USB 5V/2A (10W)

• Wireless Static output Characteristics

Output Power	Frequency	Rated Load		Peak Load	Output Range	Ripple+Noise
		Min.	Max.			
10W	110 ~ 205KHz	0.10A	1A	1.1A	9.0V±5%	≤450mVp-p

- **Short Circuit Protection**

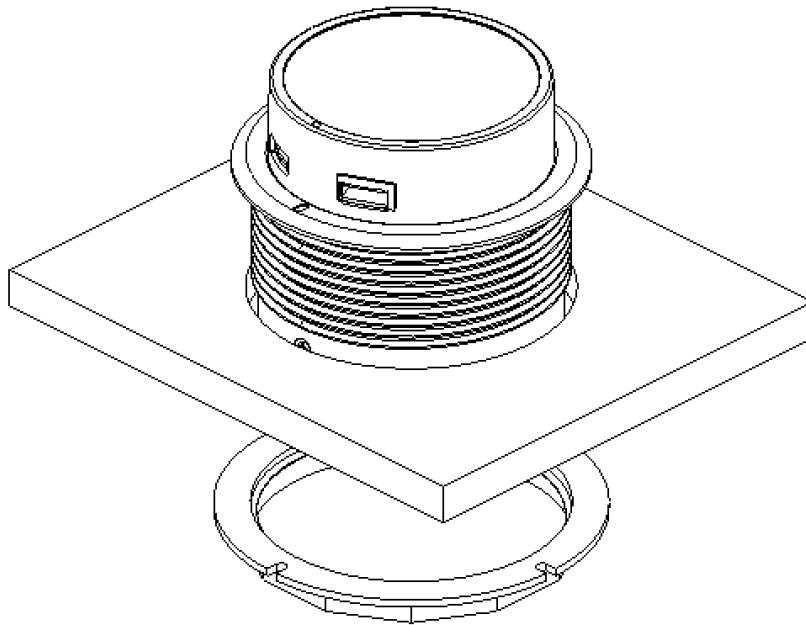
The input power shall decrease when the output is short to GND, the power supply shall not damage, and shall be self-recovery when the fault condition is removed.

- **Over Current Protection**

OCP Point Limited: 120%-130% auto restart

The output shall hiccup when the over current applied to the output, and shall be self-recovery when the fault condition is removed.

Installation Structure



Regulatory Compliance Information

- Be sure to use original 12V/3A ADAPTER. Otherwise, it will lead to slow charged performance, or it can cause defects or damage.
- Please do not place the product nearby stove, microwave oven, heating utensil, or high heat container.
- Please do not place any magnet device nearby the product, e.g., coin, key and metal.
- Please leave the product on dry area. Humidity or liquid components can damage the product.
- Please do not disassemble or repair the product.
- The product could cause the heat while working.

FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.