SQF Charging station

Product Specification

(December, 2019)

PLUTOSOLUTION

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1. Introduction of the product

The 'N2 Qual. charging station' wirelessly charges the lithium-ion battery pack built into the flow FOUP or the particle FOUP at high speed.

The 'N2 Qual. charging Station' can be used for Entegirs Flow FOUP, Entegris Particle FOUP, Miraial Flow FOUP, Miraial Particle FOUP.

2. Composition of the product

Charging station

24V 6.25A Power adapter

12.6V 13.6A Lithium-ion battery pack

Power cable

Division		Model	Quantity (EA)	Remarks
Charging station	Charging station	Charging station	1	
	Accessory	24V 6.25A Power adapter	1	
		Power cable	1	1.5M

3. Main Product Information

3.1. Appearance

<Top View>

<Side View>

<Front View>

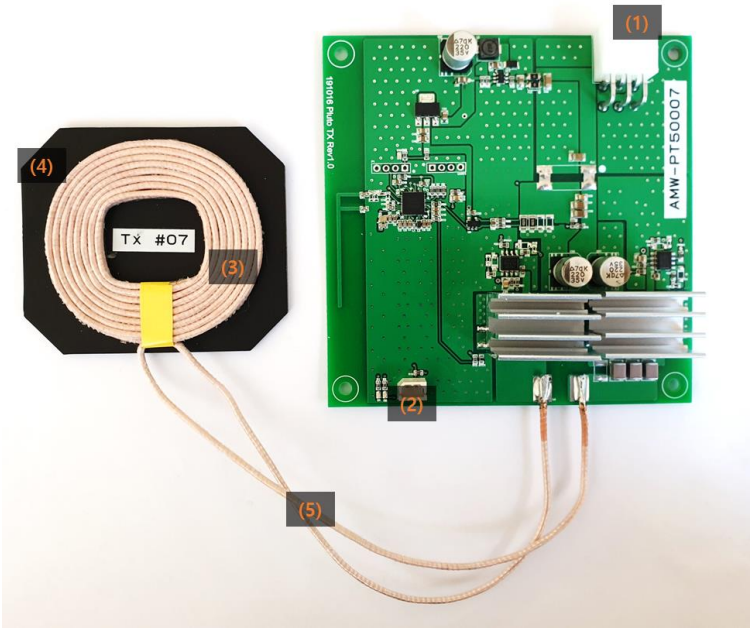
Location	Designation
①	Wireless Charging TX Coil Mount
②	Coupling Pin
③	Magnetic switch
④	Magnet
⑤	Power connector (24V 6.25A Power adapter connection)
⑥	Status LED Hole

3.2. **Product specification**

Division	Main specifications
Wireless charging	✓ Input power : 24V / 6.5A (Adapter Specification) ✓ Output power : 12.6V / 4A
Wireless charging distance	✓ 5mm
I/F	✓ Communicate TX Board with Wireless Charging RX Board ✓ 1 x power connection port (connection connector: 22006131-01)
Operating temperature range	0 ℃ ~ 50 ℃
Weight	✓ 4.1 kg
Size	✓ w380 x d300 x h81 (mm, except rubber foot)

3.3. **Wireless Charging Tx Board**

3.3.1. Appearance



Location	Designation
(1)	Power Adapter Connector
(2)	Magnetic Switch Connector
(3)	Coil
(4)	Ferrite Plate
(5)	Lead Wire

3.3.2. Product specification

Division	Main specifications
Wireless charging	✓ Input power : 24V / 6.5A (Adaptor Specification) ✓ Output power : 12.6V / 4A
I/F	✓ Communicate TX Board with Wireless Charging RX Board ✓ 1 x main board connection port (Connecting connector: 5569-06A2) ✓ 1 x Magnetic Switch connection port (Connecting connector : 5264-02)
Operating temperature range	0 ℃ ~ 50 ℃
Weight	145g (Tx Coil included)
Size	Rx Board : w100 x d100 x h20.1 mm (Heatsink included) Rx Coil : w70 x d60 x h6.9 mm (Ferrite Plate included)

4. Precautions

① Make sure to use connectors and cables that match the connection terminals. Using a connector other than the dedicated connector may cause product malfunction or failure.

② Secure the unit firmly where you want to install it.

③ Do not install in water or rainwater spatter or damp areas.

④ Be careful not to introduce moisture or other foreign substances into the product.

⑤ Be careful not to drop the product or give an external shock.

⑥ Do not disassemble, modify, or alter the product arbitrarily.

⑦ This product is designed for use in the temperature range of 0 ° C to 50 ° C. Outside this range, use at extremely low or high temperatures is undesirable.

⑧ Do not install or use the product outside of its intended purpose.

⑨ If there is a burning smell during operation, immediately turn off the power and contact the **PLUTO**SOLUTION Customer Support Center (031-337-6780).

※ **FCC**

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications (including the antennas) to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

Note :

This equipment has been tested and found to comply with the limits for a Class A 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.

✓ This device is installed inside the facility.
This device is used at a distance of more than 20cm from the human body.

※ RF Exposure Statement

FCC RF Radiation Exposure Statement: This equipment complies with FCC RF Radiation exposure limits set forth for an uncontrolled environment.

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter..