User Manual and User Information
Model VN55

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1. Intended Use

The purpose of the VN55 RF wireless charger is to charge Tag/Receiver outfitted with the proprietary Energous energy receiving circuit. The VN55 wireless charger can only be used in conjunction with devices that contain the receiving circuits for charging the receiver with and without battery. The VN55 transmitter is intended to mount on ceiling or side wall and Tags will be mounted on shelf for product information.

This device is intended to be indoor use only.

2. User Operation

The VN55 does not contain a power switch. Simply connect the mini-USB cable end to the VN55 Charger and the USB-C cable end to the wall adapter power supply.
The Smart tags could be shelf-mounted, attached to a paper label, box, cup, wall or affixed to similar containers. VN55 charger will transmit and charge the tags when turn on. The equipment will commence charging within a few seconds. Consult the Tag's user manual for the time duration and procedures for charging.

Standard operating environmental temp 0-40deg C
5-95% Relative Humidity
3048m or 10,000' altitude

3. Radio Characteristics:

The VN55 transmitter nominal frequency is: 917.2MHz- 918.8MHz.
The VN55 transmitter conducted average output power is: 0.998 Watts
The BLE transmitter (VN55) operating frequency: 2402 – 2480MHz
The BLE transmitter (VN55) max peak output power: 0.141Watts
The O-QPSK transmitter (VN55) operating frequency: 2402 – 2480MHz
The O-QPSK transmitter (VN55) max peak output power: 0.134 Watts

4. Mini USB Port

Insert the designated cable at the USB-C port of the Energous VN55 RF wireless charger and also into the type A USB port of the electrical AC wall power supply adapter to connect the Energous Charger.

5. Packaging contents

VN55 WattUp WPT Charger
AC/DC Power supply with cable
User Manual and User Information

6. FCC Regulatory Information

FCC ID: 2ADNG-VN55 Model: VN55

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.

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 equipment being interfered with.
- Increase the separation between the charger and the equipment subject to interference.
- Connect the equipment into an outlet on a circuit different from that to which the charger is connected.
- Consult the dealer or an experienced radio/TV/electronics technician for help.

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

VN55 RF wireless charger complies with FCC RF radiation exposure limits for an uncontrolled environment in accordance with FCC Rule Part 2.1093. The Wireless charger transmitter is designed to be installed on the ceiling or on a side wall and must be installed accordingly to ensure a minimum 20cm separation distance from persons.

IC: 23686-VN55, Model: VN55

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:
(1) This device may not cause interference; and
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) l'appareil ne doit pas produire de brouillage;
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

VN55 RF wireless charger complies with ISED radiation exposure limits. The Wireless charger transmitter is designed to be installed on the ceiling or on a side wall and must be installed accordingly to ensure a minimum 22cm separation distance from persons.

Le chargeur sans fil RF VN55 est conforme aux limites d'exposition aux rayonnements ISED. L'émetteur du chargeur sans fil est conçu pour être installé au plafond ou sur un mur latéral et doit être installé en conséquence pour assurer une distance de séparation minimale de 22 cm des personnes.