



## User Manual and User Information Model MS-300

Energous Corporation  
3590 North First Street  
Suite 210  
San Jose, CA 95134  
U.S.A.  
<http://www.energous.com>  
Tel: 408 963 0200

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# 1. FCC Info

FCC ID: 2ADNG-MS300

Model: MS-300.

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 and consumer ISM equipment pursuant to part 18 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 MS-300 charger and the equipment subject to interference.
- Connect the equipment into an outlet on a circuit different from that to which the MS-300 charger is connected.
- Consult the dealer or an experienced radio/TV/electronics technician for help.

CAUTION: Changes or modifications not expressly approved by Energous may violate FCC Rules and negate your authority to operate this device.

## RF Exposure Notice

The MS-300 charger employs proximity sensing and will automatically shut off when persons are closer than 50cm to the transmitter. There are no user adjustments and charging commences only when the proximity sensors permit commencement of power transfer. The MS-300 will turn off automatically when user is within 50 cm of the front of the MS-300 so the user may work normally with no additional instructions or actions required.

To reduce surface reflections that may cause inadvertent exposure conditions, install MS-300 at least 1 meter from metal surfaces.

### 3. Intended Use

The purpose of the MS-300 is to charge Client Devices outfitted with the proprietary Energous energy receiving circuits. The MS-300 can only be used in conjunction with Client Devices that contain the receiving circuits for charging the native batteries of the equipment.

If a Client Device does not contain the Energous receiver circuits no charging will ensue and the MS-300 will not operate.

Equipment outfitted with inductive receiver circuits will not charge and the MS-300 will not operate.

Indoor operation only --not to be used in a wet area or outdoors.

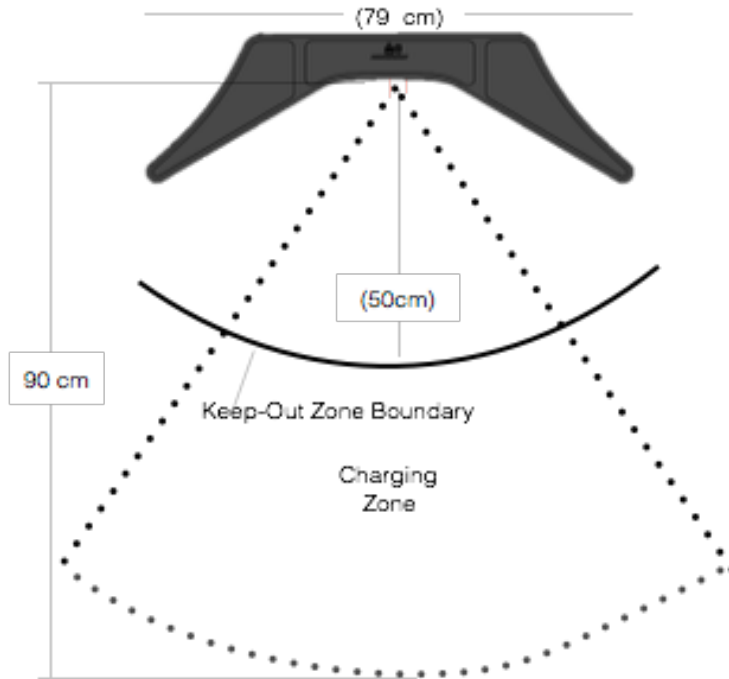
### 4. User Operation

The MS-300 once plugged in, operates automatically and does not contain a power switch, does not require power cycling. When not charging, the MS-300 is in standby mode. Place the equipment to be charged within the Charging of the MS-300 charger. The equipment will commence charging within a few seconds.

**Dead Battery State:** In the event of dead battery on the Client Device, the Client Device should be charged for 5 minutes via USB cable, after which WPT can be used.

The “front” of the MS-300 is the point at the center of the transmitter. This point is indicated in Figure 1 where the dotted Lines of the Charging Zone converge to the MS-300.

The Charging Zone (region where WPT signal is active) extends as a sector volume out to a 90 cm radial distance from the center of the front surface of the 2ADNG-MS300. Even though the Charging Zone overlaps and encompasses the Keep-Out Zone, a Client Device within the Keep-Out Zone can still be charged when persons are absent.



**Figure 1. MS-300 Charging Zone**

The orientation of the device may cause varied results for rate of charge. The optimal orientation is to stand the Client Device on its long edge then place the Client Device front facing to the MS-300.

## 5. Packaging contents

MS-300  
Power supply and cable  
User Manual and User Information