

# Dimensions



## Info for location partners

**Cost absorption** by Swobbee - Installation, set-up and electricity costs are covered by Swobbee, as well as dismantling costs after project completion. Swobbee pays a standard rent for the area required for the use of the Swobbee station.

### Fire protection in line with UL & TM regulation

The Swobbee station fulfills the requirements of the TM regulation of FDNY and only UL approved batteries are charged in the station. All charging processes consistently monitored by our software backend, resulting in our track record with millions of hours of charging without a single incident.

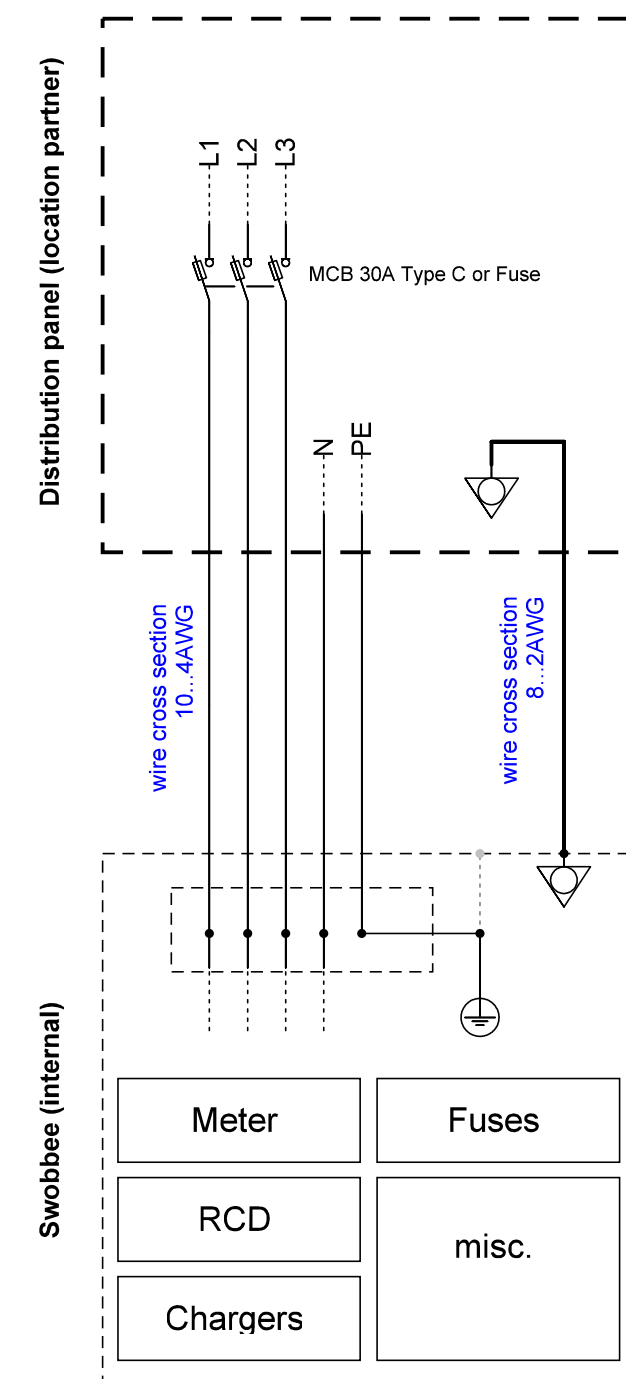
**Service and maintenance** - The Swobbee station is regularly checked by our service team. In case of defects or damages, our service hotline is available 24/7.

### Area requirements

- ▶ Minimum area required: 3' x 3', Height: 8'2"
- ▶ The ground area should be free of cable lines, manhole covers, lightning rods, and rain drains.
- ▶ A fixture is built with four ground anchors.
- ▶ Other fixtures, such as wall or foundation fixtures, are possible, as well. A location scouting is organized by our team prior to the set-up of the Swobbee station.

### Technical requirements

- ▶ Accessibility - Our service team is available 24/7.
- ▶ Data connectivity - To ensure the wireless internet access of the Swobbee station, at least an EDGE, ideally 3G connectivity at the site is required.



### Electrical parameters of the equipment:

Voltage: 120Y/208V 60Hz  
 Wiring System: 3Phase +Neutral+ Ground  
 Supply Current: 3x 30A  
 Inrush Current: <1 00A

### Mechanical parameters for field wiring:

- » Sheathed cable from 0.63 inch(16mm) to 1.1 inch(28mm) in diameter
- » Individual conductors from 0.24 inch(6mm) to 0.35 inch(9mm) in diameter (incl. isolation)
- » Equipotential ground can be up to 1 inch(25mm) in diameter (incl. isolation)

### Notes

- » Absolute power consumption of the equipment is depending on actual usage and can be further limited by software if needed.
- » Primary RCD / GFCI is not desired. If it has to be installed because of local code then it should be a 0.3A rated type for additional fire safety of external wiring.
- » A primary disconnecter for all poles (3x hot, 1x ground) shall be installed but can not be accessible by ordinary persons .
- » An equipotential ground wire shall be installed according to local code
- » If rigid conduit is used it must end within the baseframe of the equipment max. 1.5inch above ground / concrete foundation

### Electrical parameters for field wiring:

- » Supply wires from AWG10 up to AWG4
- » Equipotential ground from AWG8 up to AWG2
- » Only copper conductors shall be used
- » Selection has to be done by trained electricians