

# Site Assessment Guidelines for an Accurate Quote

Following Blink’s deployment guidelines for EV charging infrastructure and being mindful of future EV charging needs, can help make installation of EV chargers easier, faster, and less expensive.

## Working with a Contractor

Whether you prefer to work with your contractor or want us to suggest one, we will work to ensure your site evaluation and quote will be as accurate as possible. We want you to feel comfortable evaluating installation options for each specific site location. When you work with a Blink-recommended independent contractor, we will first recommend one who is already experienced installing Blink charging stations. We’ll also be there to guide them or any contractor you choose, through the process if needed.

## Permit Requirements

Like any other construction project, there are permit requirements—these vary by local regulations and are specific to your site location. Your contractor will need to investigate the local requirements. When first discussing your project with your contractor, they will outline permitting requirements and costs.

## How to Lower Costs

### Closer to Power Source

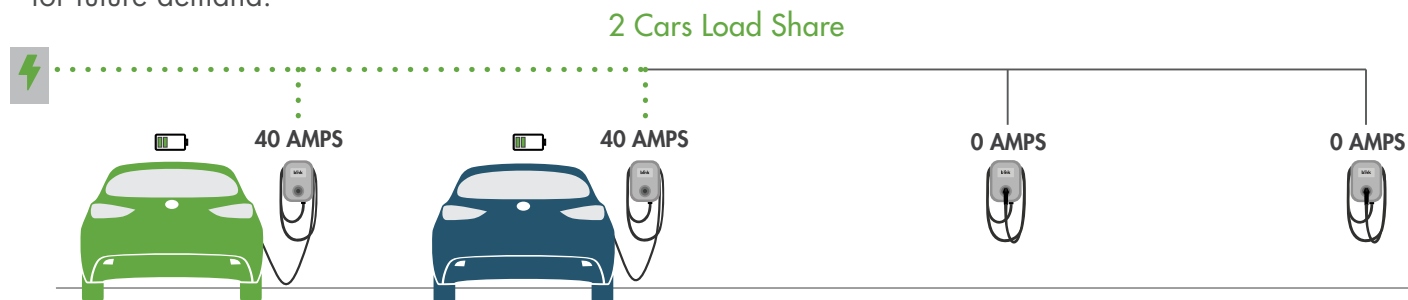
Generally, the closer the chargers are installed to the power source, the lower the installation cost will be. Typically, this will minimize the amount of material needed and reduce installation costs. When feasible, consider pulling power from a nearby electrical room versus installing a new meter and service from a nearby utility transformer.

Blink IQ 200 should be installed on a circuit from 40A to 100A

The Blink IQ 200 can be installed on any single phase 208-240VAC circuit from 10 amps to 100 amps (dispensing 8 - 80 amps). However, we do not recommend installing on any circuit below 40 amps (dispensing 32 amps) as this will lead to slow charge times.

### Load Management

The best way to choose the power you are supplying to your chargers is going to depend on the site location and your preference. However, sharing a single circuit for multiple chargers can be a cost-effective way to efficiently install several chargers. Utilizing local load management can help your site location plan for future demand.



[Learn More about Load Management](#)

### Mounting Options

Wall mounting EV chargers are less expensive than pedestal mounting due to the increased equipment and materials required for a pedestal mount. Blink also offers a pole mounting kit, which may help your site take advantage of existing equipment and electrical infrastructure for a lower cost deployment of the charging stations.

## Parking Spots and Circuitry

### Rectangle Pedestal or Wall Mount

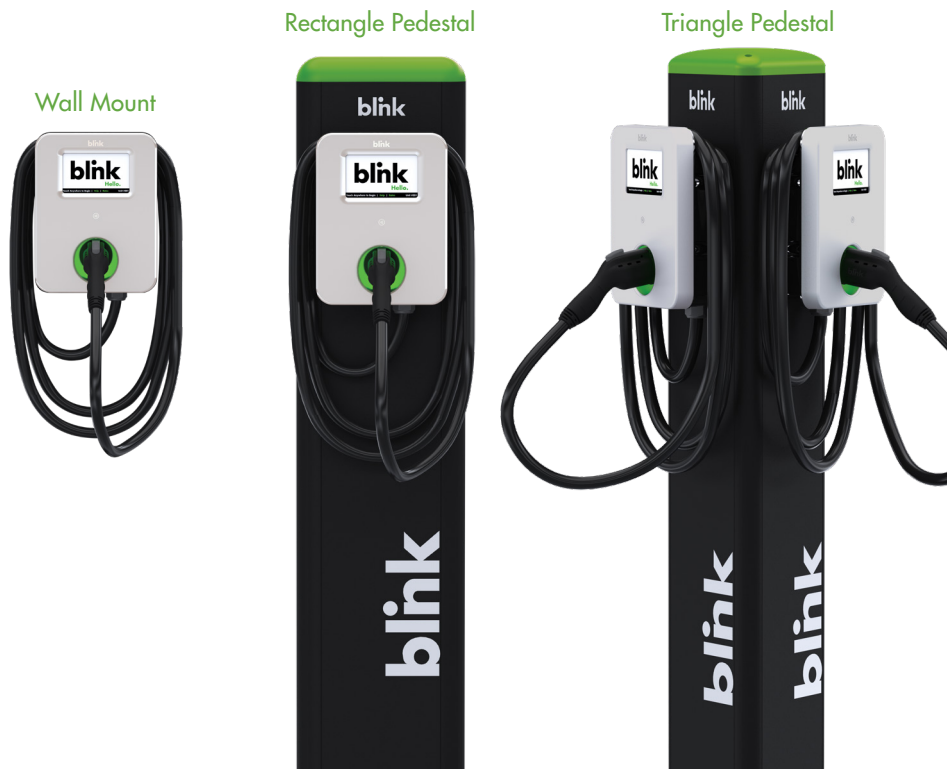
For a 1 charger to 1 parking spot ratio, EV chargers should be installed in the center, in front, of the parking spot. When the ratio is 1 charger to 2 parking spots, the charger should be installed in line with parking stripe, equally in between 2 parking spots.

### Triangle Pedestal for Two Parking Spots

Triangle pedestals, which have two chargers on a single pedestal, should be installed in line with the parking stripe, equally in between 2 parking spots, serving both parking spots.

### Two Separate Circuitry

If you are installing a pedestal with 2 chargers and using 2 separate dedicated circuits, it is strongly recommended to run both circuits through one conduit stub instead of each having their own. This will make installing the pedestal easier. Conduit stub ups are recommended to be 6" high.



## Ensuring Safety and Accessibility

### Keep Water Away

Never install EV chargers in flood zones, or anywhere with poor drainage. **The Blink charger features a rugged design that is rated for general outdoor use.** However, care should be taken to avoid the unit being in direct contact with water, since you never want water to reach the conduit after a bad storm.

### Concrete Pad

Concrete pads are sometimes needed during the installation of pedestal-mounted chargers; however, there are no required official specs. Sometimes an existing concrete surface may be used for installation. Please confirm with your installation contractor regarding any minimum standards for your site location.

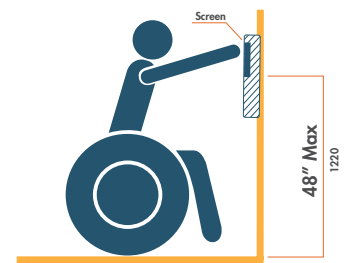
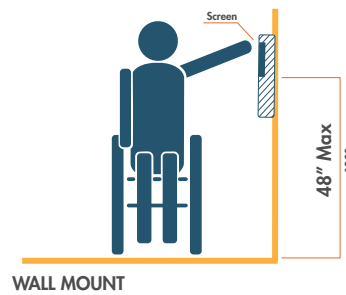
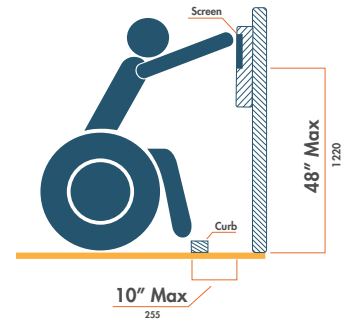
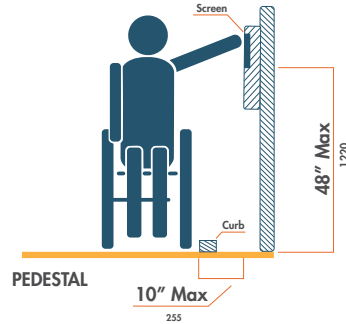
- In areas where seismic and hurricane loads are a concern, Blink recommends a 36" x 36" concrete pad with rebar. Keep in mind that with a pad of this size, you will likely not be able to center the conduit. The conduit will have to be stubbed up closer to the pad's face to achieve ADA (Americans with Disabilities Act) standards.
- If your site location does not need to accommodate seismic or hurricane loads, a 24" x 24" reinforced pad is sufficient.

### ADA Compliance

It is best practice to make every EV charger accessible to disabled EV drivers. This eliminates the need for having several chargers accommodating various persons and makes for a better driver experience. If you cannot make every charger ADA accessible, it is required that there is at least one ADA accessible charger.

### Protecting Your Chargers

Bollards and/or wheel stops may be recommended to help protect the EV chargers. Needs will vary depending on the height of the installed EV charger, distance to vehicles and traffic flow, visibility, and the presence of any existing barrier. When no natural or physical barriers exist, Blink recommends bollards or wheel stops to protect the equipment. Blink is available to help you decide what you need.

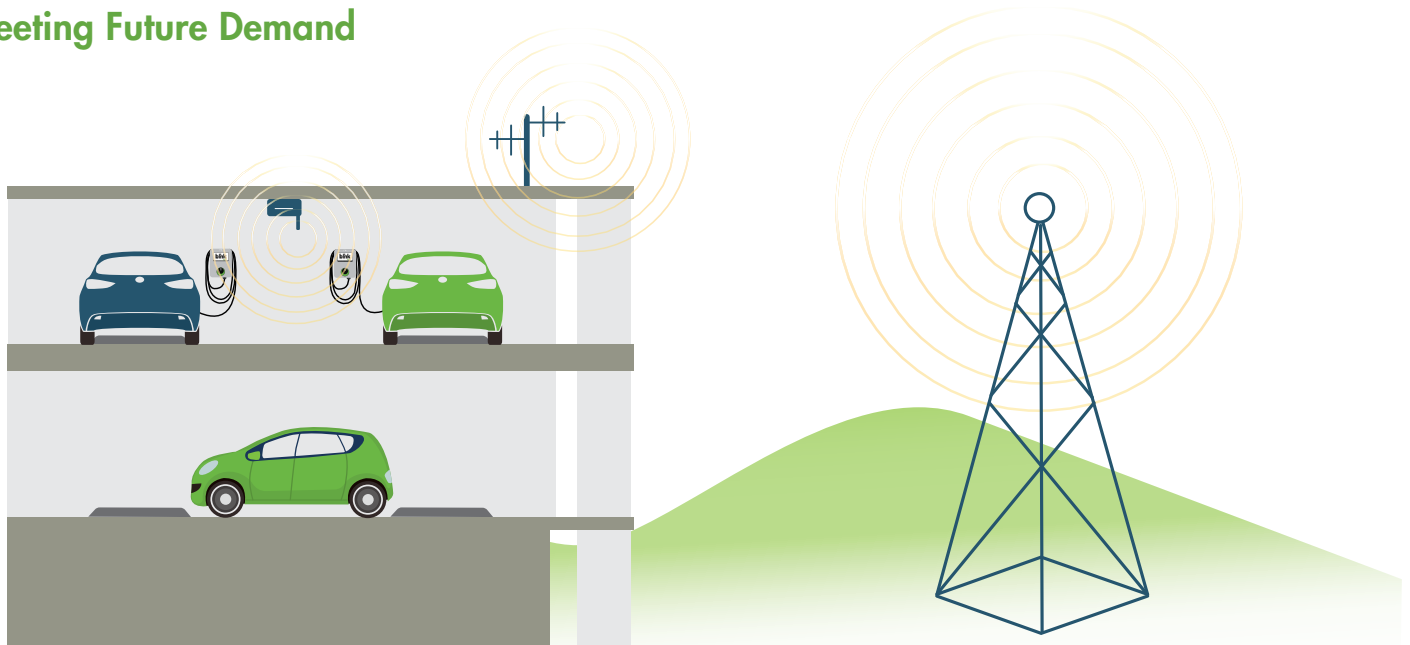


[More about ADA Compliance](#)

### Getting the Chargers Online Connectivity

Most parking garages offer little to no cell reception. Therefore, hosts will need to provide WI-FI connectivity or a cellular booster to the EV chargers to ensure their operation. Blink recommends pairing your chargers with a cellular booster.

### Meeting Future Demand



According to the International Energy Agency, it is estimated by 2030, more than 13M charging stations will be needed to support the US market. Today, the US market has approximately 200K chargers deployed. Consider planning for future expansion during your installation.

### **Avoid Future Extra Costs**

Future costs that can be avoided include buying an additional panel, trenching, installing an additional conduit, or rerunning wiring when you expand your EV charger footprint.

### **To Help Avoid these Costs in the Future Blink Recommends:**

- Pull more conductors than you need, all at once now (leave extra conductors in a junction box, quazite box, or handhole). Consult with your contractor on an efficient method to do this to N.E.C. code.
- Oversize your breaker panel and your conduit now for more chargers and more circuits than you currently need.

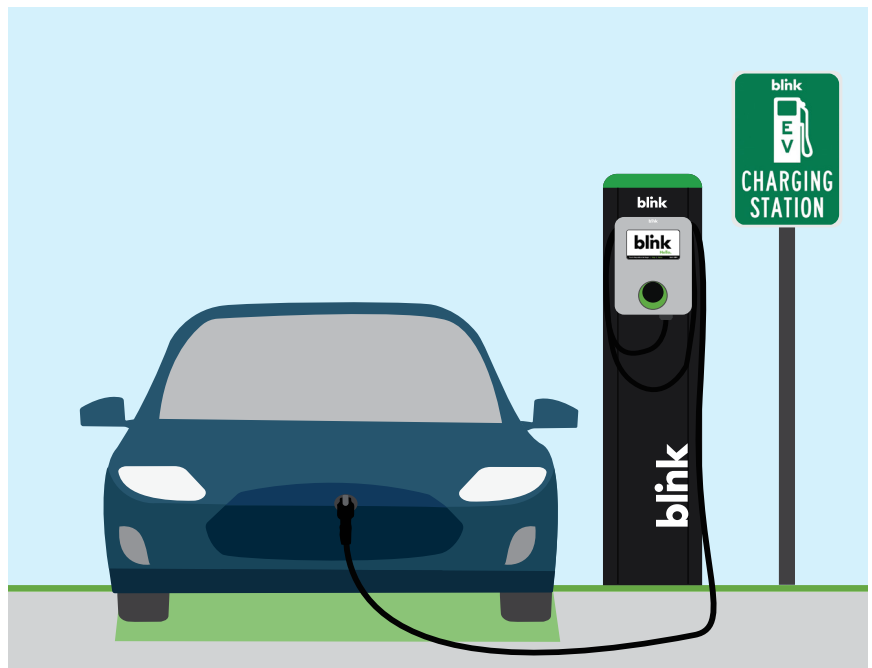
**13 Million**  
EV CHARGING  
STATIONS  
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BY 2030

## **Generating Awareness for Your Chargers**

### **Painting and Signage**

Charging station signage and painting are the easiest and most impactful ways to promote your chargers on-site and encourage EV drivers to utilize them. During the installation planning, discuss painting and striping options with your contractor and on-site team to accommodate these general awareness needs.

With all Blink EV chargers, you will receive an EV charging station sign that should be installed at, or very near, the charger indicating its availability. If you would like additional signage, please coordinate with your Blink representative.



[More about Signage and Painting](#)

## **Have Questions? Need Help?**

**If you have any questions, please don't hesitate to ask your sales executive.**

Contact Host Support at (888) 998.2546 x2 or email [hostsupport@blinkcharging.com](mailto:hostsupport@blinkcharging.com).

While these recommendations by Blink are intended to assist and guide you with your deployment and installation of your new Blink chargers, these are meant only as suggestions. Blink insists that you do your research and come to your own conclusions, as your say is the final one and Blink does not accept, and you expressly release Blink from, any liability for any accidents or damage which arise out of your following of Blink's recommendations during the installation process.