



Electric Vehicle Charging



Premium Parking for Electric Vehicles

Higher gas prices, government subsidies for cars and charging stations and a growing awareness of sustainability have all set the stage for an unparalleled surge in electric cars. Major car manufacturers are producing or developing electric cars at an alarming rate, and these cars will need charging capability when parked.

Installation Savings

Dual outlets per station saves on expensive electrician installation costs. Flexible customer payment systems will configure to your parking needs and will configure to all Federal APD systems. Flexibility of communication methods means that this system will accept multiple communication links per your requirements (Ethernet Cable, Cellular modom or Wi-Fi). It's mounting flexibility allows you to mount on pre-cast concrete pedestal or wall brackets based on your parking environment.

Remote Monitoring and Management

Federal APD's EV Charging solution is web-based, meaning you can monitor all of your charging stations from one central location. The system also automatically download and upgrade to new software remotely. Our online statistical database allow you to monitor your system utilization patterns and trends on all of your charging stations from your office or remotely.

Designed for Safety

Federal APD's EV Charging stations meet all UL standards. The system is designed using UL charging station standards and the SAE connector interfaces with car manufacturers standards. This system received the highest outdoor rating, NEMA 4X rated with durable aluminum housing and robust weather rated components.

Features

- Real-time transactions
- Vehicle records on entry
- Unlimited events on any given day
- Manage car locations in multiple lots
- Unlimited validations
- Rates by lot or garage
- ZipParker™ Online Reservations



Lower Cost

Lower acquisition costs and minimal installation costs make Federal APD's EV Recharge Stations ideal for your parking operations.

Anti-Loitering LED Light Band

Each pay station is equipped with a highly visible and attractive light band that pulses when charging or when vehicles are plugged in. This helps prevent drivers from parking in a premium space without paying the full fare.

Flexible Payment Methods

Federal APD's electric vehicle charging stations offer flexible payment methods, allowing you to use your existing billing system and eliminating duplicate credit card processing charges and monthly administration charges.

Smart Recharge Stations

Charging stations communicate in real time to our cloud-hosted database via Ethernet Cable, WiFi or cellular modem. Reports can be generated for a single charging station or for entire facilities.

EV Safety Rated, GFCI Protected

The recharge stations have been equipped with EV ignition lockout safety standards during electric charging periods and have been safety designed with GFCI automatic reset.

On-Line Availability

With Recharge-Here.com, your customers and visitors can always find a Recharge Station and know whether it is available: Pick a destination, find the nearest charging station, check its availability, and note the walking distance to your appointment. With Recharge Stations, it's never a secret that your garage or lot offers electric charging, or how to find your parking facility.

Prepayment

Better yet, with Recharge-Here.com, you can offer your customers the opportunity to prepay and reserve a Recharge Station/parking space so that it is available when they need it. Drivers can even elect to be automatically notified on their cell phones when their charge is completed or their parking time is expiring.

Charging Process:

- 1) Patron pulls ticket upon entry
- 2) Patron parks in a "recharge" space
- 3) Patron instructed by recharge unit to insert ticket
- 4) Recharge unit parses the ticket data and communicates ticket # to back office server
- 5) Custom application sends ticket # information to ScanNet, creating on-line charge validation for ticket
- 6) Upon exit, patron's ticket is read by payment device (PowerPad)
- 7) PowerPad queries ScanNet
- 8) ScanNet responds with online validation data
- 9) PowerPad applies online validation to the ticket
- 10) Total fee is computed (charging + parking fees), creating a single transaction
- 11) Patron pays fee and exits facility



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