

Electric Vehicles are *on the RISE!*

Why Should You Care?

Gas vs. Electric Vehicle Operating Cost Savings

Gas Vehicle Example: Ford Fusion

\$151.00 for gas fuel /month

(NOT including oil and fluids)

16.5 gal tank / 27mpg / 412 mile range
\$3.50 per gal / 3 monthly refills



vs.



Electric Vehicle Example: Ford Mustang Mach-E SUV

\$26.00 for electric fuel /month

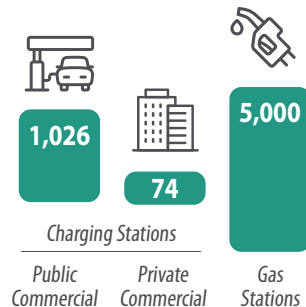
(NO need for oil and fluids!)

91 kWh / 275 mile range
\$0.08 rate / 4 monthly charges

Filling Up in Pennsylvania

PA currently offers 5,000 gas stations and 1,100 charging stations.

With charging stations being nearly 1/4 of all the gas stations, EV charging is clearly growing!



50% of cars on the road will be Electric by **2030**

* Source: US Dept of Energy

What's in it for You?

39% of U.S. adults are seriously considering EVs



With so many looking toward EV and with the technology of EV charging improving since its early introduction, now is a good time to consider charger installation.

But there's more than just one reason to invest in EV charging:

- ✓ Reduced Greenhouse Gas Emissions
- ✓ Revenue Generation with Public Access
- ✓ Employee Convenience & Retention
- ✓ Creative Marketing & Increased Sales
- ✓ Improved Charge Time Over Level 1 Charger

Concerned About the Cost to Install an EV Charger?

Funding can improve your ROI!

Pennsylvania's Level 2 charger rebates start at

\$3,000!



- ✓ Federal incentives and rebates
- ✓ State incentives and rebates
- ✓ Possible Revenue Generator

NEXT: What type of charger should you consider?



Choosing Hardware and Software Solutions

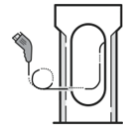
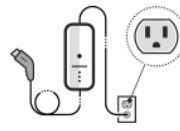
When considering installation of an EV Charging Station, we can help you choose the best solution for your needs in three easy steps:

- ✓ Choose the Charger
- ✓ Choose the Accessories
- ✓ Choose the Operational Software

But first,

consider these questions:

- ▶ Why are you considering installing an EV Charging Station?
- ▶ Who will be using your station?
- ▶ Where will it be installed?
- ▶ What communications options / services do you need?
- ▶ How will you fund your charger installation?



	Level 1	Level 2	Level 3
	120V Outlet	208 or 240V	DC Fast Charger
Mounting	Loose or Wall mount	Wall or Pedestal / Plug or Hardwire	Freestanding
EV Charging Connector Type	J1772 AC	J1772 AC	CCS1 or 2, CHAdeMO DC
Avg. Hardware Costs*	Provided w/ Electric Vehicle	\$600-\$1500	\$40,000 - \$120,000
Amperage	12-16 Amps	12 - 48 Amps	60 and 350 Amps
kW	1.92 kW	9.6 and 11.5 kW	50 kW and 175 kW
Voltage	120V	208 or 240V 1 phase	480 V 3 phase
Est. Charge Time**	24-48 hours	4-14 hours	20 - 90 minutes
Est. Range per Hour (RPH)	2-5 miles	25-35 miles	100-200 miles
Compatible Vehicles	All	All	All
Best use	Home	Home / Commercial	Commercial / Industrial

* charger costs only, doesn't include installation and other services

** charging from 20% to 80%

Choosing Your Accessories & Software

Once you decide the level charger you need, choose your accessories:

- ▶ **Do you need post mounting?**
All chargers are standard wall mount.
- ▶ **Do you need a cable retractor?**
Snow and harsh weather aren't kind to cables!
- ▶ **What communication card do you need?**
WiFi, Ethernet, Modbus RTU/TCP, Cellular
- ▶ **What user access do you want?**
QR Code or RFID

Finally, consider how you want your system to work:

- ▶ **What kind of reporting do you need?**
- ▶ **Do you need to manage the system remotely?**
- ▶ **Is billing and app access needed?**

Feature	Choose Your Support Package			
	1	2	3	4
Technical Support	✓	✓	✓	✓
Remote Firmware Upgrades	✓	✓	✓	✓
Charger Setup	✓	✓	✓	✓
Remote Resets		✓	✓	✓
Remote Diagnostics		✓	✓	✓
RFID Management		✓	✓	✓
Aggregated Charger Reporting		✓	✓	✓
Driver App		✓	✓	✓
Driver Billing			✓	✓
Charger Network Visibility			✓	✓
Dynamic Load Control				✓
Max Load Management				✓

For more information contact your Schaedler Yesco sales rep or email info@sydist.com.