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## COVER STORY

### *Electric Vehicle Charging at Schools*

It has become more common to see electric vehicles driving around in the U.S. and because of this, electric vehicle charging is becoming increasingly popular at schools and universities all over the country.

Because of the need for EV charging's rapid growth, some schools are trying to be on top of the market by providing a place for their students and employees to park and charge their vehicles.

One university to get ahead of the curve is Baylor University in Texas. "As electric vehicles become more and more popular, we will be in a situation where more students, faculty, and staff may need access to them, and we want to ensure that Baylor has those needs met ahead of time," said Karl "Rock" McNair, Jr., Associate Vice President of real estate operations at Baylor.

Closer to home and a new addition this year, Wisconsin Lutheran High School is now offering a few charging spots in their parking lot for parents, faculty, and staff who own electric vehicles and frequent the campus.

Right here at home, our own company has an EV charging space in the back of our warehouse for convenience and sustainability.

Does your office, school, library, government provide EV charging spaces for their community? If so, what are the pros and cons of these spaces, and how can they be improved, if at all.

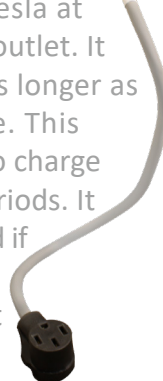
We would love to hear feedback from electric vehicle and non-ev owners on this topic.

## FEATURED PRODUCTS

### *EV515MS-036*

The AC WORKS® brand EV515MS-036 super durable EVSE adapter is compatible with Gen1 and Gen2 Tesla Mobile Connectors ONLY. The adapter is a NEMA 5-15P to NEMA 14-50R. The NEMA 5-15P is a 15 Amp, 125 Volt, regular household male plug. The NEMA 14-50R is a 50 Amp, 125/250 Volt, 4-prong straight-blade female connector. It is a 3ft. cable with an STW, heavy-duty, 600 Volt jacket with a 30 Amp copper wire.

This product charges your Tesla at home using a regular home outlet. It will charge your EV, but takes longer as you only get a trickle charge. This method is commonly used to charge overnight or for extended periods. It is best not to use this method if when traveling long distances due to the time it takes to get a full charge.



## TIPS FROM TONY

We updated some of our product designs. These products were updated for many reasons. Some were functional while others were more aesthetically pleasing. The old product designs are now on clearance.

The clearance product technically function the exact same way as the new versions. The new style will have some extra features and look different than the clearance style, but they are wired and operate the exact same way.



## FEATURED PRODUCTS

*SD515520*

This AC WORKS® super-duty extension cord SD515520 is commonly used with transfer switches, generators, industrial construction, and EV trickle charging. Customers like this product because the rubber cable, an SOOW, 10/3, 30 Amp copper wire with a 600 Volt, is far more durable, it will reduce voltage drop over long distances, and it has a better heat radiation during a heavy load. The rubber jacket stays flexible in cold weather and holds up much better when used in rough exteriors like an RV park or construction site. This extension cord comes in 10, 25, 50, 75, and 100-foot lengths. The NEMA 5-15 plug's construction is rated for both 15 and 20 amps, allowing you to plug this cord into both amperage outlets. When using a 20A outlet, it can operate at up to 20A. When using a regular 15A outlet, it will only operate up to 15A.



## CUSTOMER FAVORITES

*EVTT30MS*

This AC WORKS® electric vehicle adapter EVTT30MS is very durable with a compact design. The adapter is a TT-30P to a NEMA 14-50R. The TT-30P is a 30 Amp, 125 Volt male plug for an RV/campground power source. The NEMA 14-50R is a 50 Amp, 125/250 Volt Tesla charging connector. This adapter is wired specifically to be compatible with both Gen1 and Gen2 Tesla Mobile Connectors.



## AC WORKS® News

### *Mark Downs and Discounts*

As you may remember we started creating new designs for the barrel adapters. As they have been rolling out into production we have been marking down the old style. Save on compact adapters by purchasing the old style (while supplies last).

Visit our website's promotional page to find out more about our discounts and coupons. We are running a BOGO discount on the E520CB520 and the E620CB620 flexible adapters.

We also post our discounts and sales on our Facebook page.

*@acworksconnectors on Facebook*



## AC WORKS® News

### *Updating Our Space*

In issue thirty-nine, we spoke about the growth of our company this year. There are many aspects to a growing company, including new products, new product features, branding, and interior design. With the addition of our new space, we found ourselves looking for a new way to make the building our own.

The next step is to research designs for the building's interior and exterior. We have many windows along the front exterior of the building and would love to showcase our products and their applications inside our office showroom. We want to recreate the various spaces our products can be used in. In one section of our office, you may find yourself at a campground, while in another section you may find yourself in a hospital. These settings or dioramas will also be used to increase the value of our growing video library. We are also creating a lobby space with a library wall for customers and other visitors to see and take product sheets based on the collection of items they are looking for.

We are having our logos installed across the front windows making it easy to see where we are located. We also have the plug posted on the back doors of our space so delivery drivers know which suites we have in the building. Expanding is a long process, and the redecoration of our new space is only part of it.

Keep an eye out for updates on our office and new groundbreaking products!

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# WRAP UP

# SOCIAL MEDIA

## Social Media Channels

### FACEBOOK

Follow AC WORKS® on **Facebook** and learn more about our products, find discounts and more. You can also leave us a review on Facebook to help other customers.

### INSTAGRAM

View products behind the scenes, in development, and during special events.

### TWITTER

Industry related news and updates, newsletters, and deals are shared here.

### LINKEDIN

Hiring and company update events.

## YouTube Channel

@ACWORKS

Top watched video's created by AC WORKS® for our customers:



### NEMA 14-50 Outlet Solutions; How to Identify, Ratings and Uses.

Click to watch the videos.

Make sure you subscribe to our YouTube channel and like your favorite video's so we can create more content you like to watch. Email any video topics you would like to see to:

# UPCOMING SHOWS

## Tradeshow, Expo, and Event News

### HIMSS: Orlando, FL | March 11-15, 2024

We will see you at HIMSS24 in Orlando, Florida, next year.

**Find us in booth 3931.**

### EWPT: Milwaukee, WI | May 15-16, 2024

The Electrical Wire Processing & Technology Expo is in May every year in Milwaukee, Wisconsin.

## Industry News

### Electric Vehicle Batteries

As you may know, batteries are the power behind an electric vehicle. They decide the range, charge times, and more. There are a couple of types of batteries used in all-electrical vehicles. Lithium-Ion, Nickel-Metal Hydride, and Lead-Acid are all batteries known for use with EV's.

Lithium-Ion batteries are used in almost all portable electronics like cell phones, laptops, tablets, and more. They have a high power-to-weight ratio and are energy efficient. This battery type offers a high-temp performance and can also be recycled. Most of the electric vehicles on the market today use the lithium-ion battery.

Nickel-Metal Hydride batteries are found in medical equipment and computers. They have a long life cycle, compared to lead-acid batteries and handle abuse. These batteries are used in HEV's (Hybrid Electric Vehicle).

Lead-Acid Batteries are designed for high power and are inexpensive, safe, and reliable. They do have a low specific energy, perform poorly in cold temperatures, and have a short lifecycle. They are found in commercial electric-drive vehicles for ancillary loads.

Research and development are continuing and the goal is to reduce the cost and expand the lifecycle of the batteries used in today's electric vehicle market.

## IMPORTANT DATES TO REMEMBER

**June**

*Father's Day 18*

*Juneteenth Day*

**July**

*Independence Day 4*

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