

Charged Up



ELECTRIC VEHICLE ASSOCIATION OF SAN DIEGO (EVAOSD)

An affiliate of the Electric Auto Association (EAA)

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Program Chairman: Staff

Newsletter Editor: David Crow

Webmaster: Russ Lemon

Librarian & AV: Lloyd Rose

Regular Meetings: Our monthly meeting location is in transition. Please, check date and location below (No meeting in December)

Meeting Location, Date and Time:
Transportation Power, Inc.
13000 Danielson Street, Suite D
Poway, California 92064
27 August 2014, Wednesday 6:30 P.M.

Program: News, Projects and future events

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Newsletter Topics:

400 Mile Range Tesla



EV Sales are Up



2014 Plug-In Day



Message from the President

by Joseph Gottlieb

I happen to talk to new battery technology companies a lot and they all have been singing the same tune. They have funding. They have lab results. They are just working on getting into production and lowering the cost.

I know we have heard the story before, but this next wave of battery companies has been taking a different tone. When lithium first started making its way to electric cars, many chemists and many hundreds of millions started to pour in and try to make something happen. This first wave created a lot of devastation and bankruptcies and only a small amount of progress that some companies could take advantage of. The second wave, which we are currently in, has been feverishly working on not making the same mistakes the first wave had. Mainly, cost reduction from the beginning. Now they focus on not actually making the chemistry work, but how do we mass produce it with a cost effective structure. Hopefully, that difference will cause a lot less casualties and a lot more progress by the time I need a new pack for my leaf.

-Joseph



Cut Away View of the Nissan Leaf 24 Kwh Battery Pack

Tesla Roadster getting 400-mile Battery Upgrade

By Sebastian Blanco, AutoBlog Green, 14 August 2014

A few months ago, Tesla Motors CEO Elon Musk said something a bit cryptic during the company's annual shareholder meeting: Tesla was working on "a fairly exciting upgrade to the Roadster." Mysterious, no? Well, speaking with Auto Express recently, Musk revealed what this upgrade will be: an improved battery pack.

"The Roadster had an old generation battery," Musk told Auto Express. "We'll upgrade it to a new generation battery pack and it should have a range of about 400 miles, which will allow you to drive from LA to San Francisco non-stop." The Roadster originally came with a 245-mile range, which is good for Los Angeles to Madera, CA. Tesla sold the Roadster, its first car, in the US from 2008 to 2011 and elsewhere until 2012.

It's not that the old Roadster batteries were failing regularly – quite the opposite, in fact – but lithium EV technology advances rapidly, and so now we're extra curious what's in the new pack and how it will work. Will it be compatible with Tesla's Supercharger technology? How much will it cost, both for Roadster owners as well as for Tesla?

We've asked Tesla for answers to these questions, but all a spokeswoman would say is, "We have no further details at this time." At the shareholder meeting in early June, Musk said the "exciting upgrade" would happen this year, so if he was talking about the battery upgrade at that time, we should be getting more information on the new packs right soon.



Tesla Roadster (2008 - 2011)

Electric Car Sales Are Up Over 70 Percent In Europe And The United States

By Jeff Spross, August 8, 2014, THINKPROGRESS.ORG

Electric cars are doing well across the pond: sales have jumped 77 percent in Europe from where they were at this point last year. [EV Obsession](#) was able to pull the numbers for European countries as a whole from the monthly electric car and plug-in hybrid sales numbers put out by Avere France. That allowed them to tease out the sales for the first half of 2014 versus the first half of 2013.

EVObsession.com					
Country	2013	2014	YOY Growth	2013 Market Share	2014 Market Share
Norway	2373	9550	302%	15%	34%
France	7293	6405	-12%	47%	23%
Germany	2382	4230	78%	15%	15%
UK	1168	2570	120%	7%	9%
Netherlands	437	1149	163%	3%	4%
Switzerland	445	867	95%	3%	3%
Austria	252	709	181%	2%	3%
Italy	494	648	31%	3%	2%
Belgium	195	629	223%	1%	2%
Denmark	254	604	138%	2%	2%
Sweden	298	585	96%	2%	2%
TOTAL	15591	27946	79%		

The expansion was primarily driven by Norway, which saw its sales increase 302 percent, from 2,373 in the first half of 2013 to 9,550 in 2014. France actually dropped about 12 percent over the same period, but that still left it with a strong 6,405 EV sales for 2014 so far. Germany also saw a 78 percent jump to 4,230 sales, and the United Kingdom increased 120 percent to hit 2,570 sales.

The Nissan Leaf's 7,109 sales represented the top rank of electric cars sold, followed by Tesla's Model S with 5,330 sales, and the Renault Zoe at 3,669 sales. Norway pulled in over 3,000 of the Tesla Model S sales, while over 1,600 of the Renault Zoe sales were concentrated in France.



Nissan Leaf in the Swiss Alps

Here in the United States, sales of electric cars and plug-in hybrids reached a cumulative total of 64,996 in July of this year, almost 75 percent over where they were in July of 2013. In October of 2013, U.S. sales had only jumped 30 percent from where they were at that point in 2012.

The Chevrolet Volt is currently selling for \$34,000 in America, and can drop well into the \$20,000s when the federal tax credit is added in. The Nissan Leaf was already down below \$30,000 in 2013, and the tax credit could drive it under \$20,000. Tesla is hoping its upcoming gigafactory will drive down the cost of its batteries enough that it can also compete in the average consumer electric car market, by releasing a new model that will sell for \$35,000 — and presumably in the high \$20,000s with the tax credit.



The bad news is electric cars and plug-in hybrids still make up an extremely small slice of the U.S. auto market (around half a percent of total sales), not to mention the world auto market. A recent report by the International Energy Agency suggested three-fourths of global automobile sales will need to be in electric cars or plug-in hybrids by 2050 if the transportation sector is to do its part to keep the world's average temperatures from rising more than two degrees Celsius.

Electric Vehicle Day (Saturday, 20 Sept) - San Diego: A National Drive Electric Week Event

FREE AND OPEN TO THE PUBLIC!

Bring your family and friends for this one-day-only opportunity to see why the San Diego region has one of the highest adoption rates of EVs.

Do you already own an EV? Put it on display at the event along with 100 other EV owners, and network with your local community as part of Electric Vehicle Day celebration. Space is limited and provided on a first-come, first-served basis.

Get behind the wheel and test-drive a variety of EVs, including (subject to change):

Chevy Spark EV, Chevy Volt, Fiat 500e, Ford C-Max Energi, Ford Focus EV, Ford Fusion Energi, Nissan LEAF, Toyota Plug-In Prius, Toyota RAV4 EV, BMW i3



National Plug-In Day 2013, San Diego, Liberty Station

Electric Vehicle Day (Saturday, 20 Sept) - San Diego

Check out different types of charging stations and learn how easy it is to charge an EV at home or throughout the San Diego region, with more than 660 public charging stations available.

Get your questions answered from San Diego Gas & Electric about special EV rates that can help drivers pay the lowest price for EV fuel when charging from midnight to 5 a.m.

Learn about state and federal incentives available for zero-emission and plug-in electric vehicles from the EV experts from the Center for Sustainable Energy.

Find out about life as an EV owner from your neighbors who already have made the switch to this cleaner, more energy-independent vehicle option.

Learn about solar and incentives to make your home more energy efficient.

Day: Saturday, September 20, 2014

Time: 10:00am - 3:00pm

Location: Liberty Station - San Diego (Trader Joe's parking lot)
2401 Truxtun Road
San Diego, CA 92106

[Register to attend this event.](#)

[Volunteer to help the organizers for this event.](#)

[Contact the organizers for this event.](#)

FOR SALE



1978 Electra King NEV
Cruise Speed: 20 MPH
Street Legal and registered
Currently running on AGM batteries
Full pack of replacement
Lithium cells included in deal.
Lithium range: 20 Miles

\$3,500 or best offer.
Contact Bob at:
2bobv@cox.net
On Craig's List, "Inland Empire"



City 2

Electric Run-About



AVAILABLE COLORS: white, gray, yellow, maroon
AC Motor 72V
Six 12v Deep Cycle Lead Acid Batteries (Trojan)
Range: 30 miles
Approximate re-charge: 4-5 hours
Overall length: 8 feet, 10 inches
Width: 4 feet, 10 inches
Curb weight: 1,900 pounds
Transmission: automatic with reverse
Sevcon controller
Brakes: front disc, rear shoe
4-wheel MacPherson Strut independent suspension
Leather seats
Alpine Stereo Radio
Electric windows

Distributed by Bud Hulst

Go-Electric EV — San Marcos, CA
 go-electricev@roadrunner.com
 760.612.5022
Made in South Korea
 by CT&T Co., Inc.

THE "CITY 2" IS A LOW SPEED VEHICLE

Electric Auto Association (EAA) Membership Application Form

Fill out this form, attach a check, money order or use PayPal, in US funds only, payable to 'Electric Auto Association'. CE = Current EVents newsletter

e-CE \$35 USA & other Countries \$25 Student \$25 Senior (>65-USA/Canada only) birth year

paper CE \$45 USA \$48 Canada \$52 World \$29 Student \$29 Senior (>65-USA/Canada only)

\$120 (supporting level-1) \$240 (supporting level-2) \$500 or more (high voltage) _____ do not list my name

I support the _____ EAA Chapter (additional chapters, \$10 each) _____

(\$10 each) Additional Chapters or Special interest group (other than the one that comes with the membership)

You can fold this form as indicated and mail it with your payment enclosed. Use tape to seal the form, **on the sides** , before you mail it or send an e-version of this form, through PayPal using <http://electricauto.org/eamembership.html>

New Member Renewal

Name email

Mailing address (Apt. #) Home phone

Mailing City, State & Zip-8 Work phone

Electronic version of Current EVents, paperless only, link sent by email, if your membership was for the e-version, that is what you will receive

Do you own or Lease an electric vehicle (plug-in) production conversion bicycle hybrid or None

please include miles driven and type of vehicle

All information in this application is for the exclusive use of the EAA and not sold or given to any other organization.

Please identify your primary areas of interest relating to the EAA (check as many as your wish

- Owner/Driver Hobby/Builder Professional/Business Competition (Rallies, Races, Records) Plug-in Hybrids
- Environmental/Govt. Regs Social (Rallies, Shows, Events) New Technology & Research Solar & Wind Power
- Promotion & Public Awareness of EVs Student or General Interest Electrathon/Bicycle/Scooter/Other

The Electric Auto Association is a non-profit, 501(c)(3) for the promotion of electric vehicles. Your donations are tax deductible and with your membership you will receive the EAA publication, "Current EVents". All information and statistics in this application are for the exclusive use of the EAA and is not sold or given to any other organization or company. Your membership dues include a percentage goes to the EAA Chapter you support for public Electric Vehicle promotion EVents like rallies, shows and EV rides.

Current subscribers have borrowing privileges for the association's video tape and publications library. Subscribing to the newsletter is optional and is not a requirement for membership. EVAOSD meetings are always open to any and all interested parties. New Subscribers, please use this form to register to receive the EVAOSD Newsletter. Current Subscribers, please use this form to send us any change in your details.

Please make check or money order payable to: EAA and reference EVAOSD. Send this form and payment to: Richard Rodriguez, EVAOSD Treasurer; 2755 Dos Aarons Way, Suite A, Vista, CA 92081

EVAoSD Newsletter
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Address Correction Requested