

# News Release

15-Jun-2023, Pune

Suma Japanese Technologies Private Limited, Pune, India, a start-up founded by Jayapal G, Former Executive of Tata Johnson Controls, is revolutionizing the way Electric Car Conversions are done in India.



## Revolution in Pure Electric Car Conversions in India

The average Indian car owner is considering the switch from ICE cars to Electric Cars due to the high cost of Petrol/ Diesel/ CNG. However, they are still hesitant because of the following concerns:

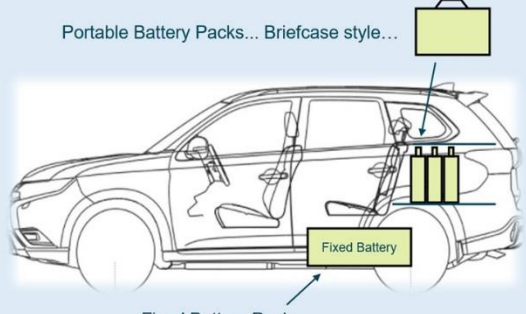
1. Like 90% of Car Owners in India, I don't have a car parking at home. I have to park my car in nearby main road and walk to my home in a small lane. Is there a way to charge my car battery at home?
2. I don't want to wait for hours to charge the Electric Car in public. Is there a way to avoid waiting?
3. I don't plan my trip well ahead of starting the drive and I am nervous about the range. If my battery is dead on the road, is there a way to avoid towing?
4. Like other middle-class Indians, I can't afford to buy a new Electric Car with the prices at present. Can I get an Electric Car without spending too much money?
5. My 10-year-old diesel/ 15-year-old Petrol/CNG car is banned on roads for environmental considerations. Is there a way I can still use my existing car?
6. A short-range Electric Car is enough for my 40-50km commute on weekdays. But, on weekends or vacation, I drive 250kms or more. Long-range Electric Cars cost more than INR 20 Lacs and not affordable. Is there a way to increase the range of my car on weekends?

The solution lies in the innovation done by Suma Japanese Technologies founded by Jayapal G, Former Executive of Tata Johnson Controls.

## Unique Features of Suma xEV

**Suma Japanese Technologies xEV**  
Portable... Scalable... Affordable...

Portable Battery Packs... Briefcase style...



Fixed Battery

Fixed Battery Pack...

- Charge in Car
  - Home/ Office/ Public Charging
- No parking at Home? Take batteries out and go
  - Charge batteries inside your Home/ Office
- Don't wait for charging
  - Swap batteries at SJT shops
  - Swap batteries at select fuel stations
- Battery dead on the road? No need to call towing...
  - Call servicing to bring battery packs
  - Ask a friend to bring battery packs
- For weekend extra travel
  - Rent extra battery packs from SJT shops
  - Borrow battery packs from a friend
- EV only at 50% cost of new EV
  - Convert your old Petrol/ Diesel/ CNG Car

Top Speed  
80 km/ hour

Charge 80%  
in 6~8 hours

Range Options  
180~280km

Portable Batteries Swapping in  
3 minutes for 300km+ Range

Cost: INR 5~6 Lacs for 180~200km  
INR 7~8 Lacs for 250~280km

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## Unique Features of Suma Japanese Technologies xEV Cars:

These ARAI approved xEV Cars have a unique architecture. The design of these xEV Cars and the battery packs are done with the following requirements in mind:

1. Affordable
2. Portable
3. Scalable

### Affordability of xEV Cars:

Any old car that runs on Petrol/ Diesel/ LPG/ CNG can be converted in to Pure Electric car at approximately half the cost of a new Electric Car. The old car registration plate will be changed to a green plate with the same number.

### Portable/ Scalable Batteries:

Suma Japanese Technologies xEV Cars have patented “Plug and Play Batteries”. Multiple easy to carry portable battery modules make up the battery pack. They can be taken outside the car and can be charged at home or office as you like. Charged battery modules can be brought to the car and plugged-in with ease.

Suma Japanese Technologies plans to have Portable Battery Swapping Outlets in Cities and inter-city Highways in the near future. Car owners will have the luxury of exchanging their dead batteries in a matter of less than 3 minutes.

**Fixed Battery:**

Suma Japanese Technologies xEV Cars will have a fixed battery pack as well in addition to the Portable battery modules. Driver can switch between the batteries, keeping one as a spare while the other is being used and discharged. This provides a power backup always and eliminates the anxiety of the drivers.

**Range:**

21KWh LFP Fixed battery would provide ~180km on a single charge.  
9KWh or 13KWh LFP Portable battery modules would provide 70~100km.  
Together, they would provide 250~280km on a single charge.

One swapping of the Portable Batteries on the way increases the range to 320~380km. This makes Mumbai-Pune-Mumbai trip possible on a single charge.

3.3kw AC onboard charger gives 80% charge in 6 to 8 hours depending on the Battery modules chosen. DC Fast charging is an option in the near future.

**Performance:**

These xEV cars are tested and certified by ARAI for all applicable CMVR Rules and AIS Regulations.

Optimized Top speed of these cars is 80 KM/Hour. Tested on Indian roads extensively including the climbing on Khandala Ghat near Pune with 5 passengers' load.

**xEV Car Models from Suma Japanese Technologies:**

At present 12 car models are available to choose. More models will be available soon.

**Suma xEV Models approved by ARAI**



### **Price:**

Conversion Price of these cars would start at 5 Lacs all inclusive. Customers can drive in their old Diesel/ Petrol/ CNG/ LPG cars and drive out Pure Electric Car with a Green Plate of same Registration number.

### **Launch Plan:**

Suma Japanese Technologies has its Office and R&D Center in Bavdhan, Pune. The manufacturing set-up in Pune is in progress.

The Company plans to launch its xEV Cars in Pune focusing on Pune-Mumbai corridor customers first.

Bookings may start in August 2023.

Visit [www.sumajapanese.com](http://www.sumajapanese.com) for further more details.

Reach out to [Sales@sumajapanese.com](mailto:Sales@sumajapanese.com) for booking.

WhatsApp +91 879999 7205, 6, 7, 8, 9