

Project Report



Free From Range Anxiety



Presented By



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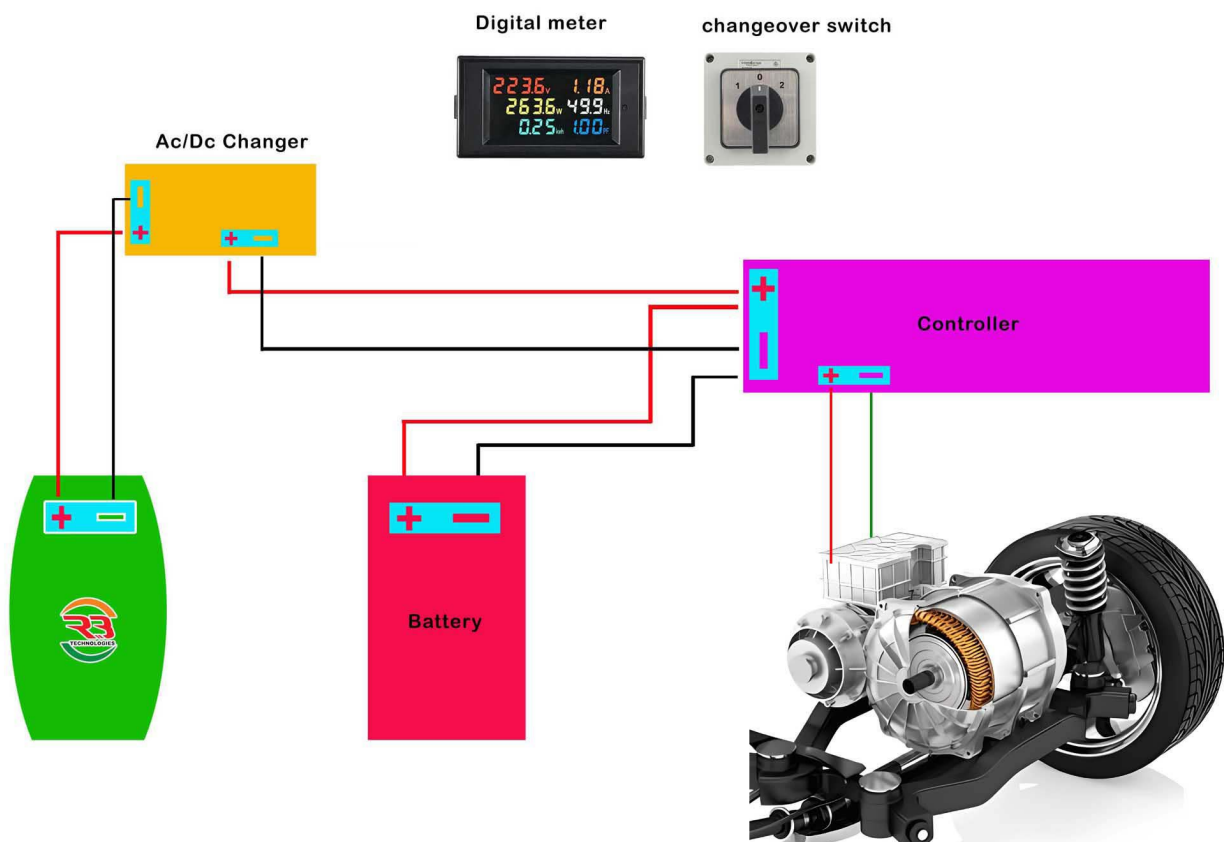
Advantages

- 1. Range Anxiety-Free Driving**
- 2. Charging time can be avoided.**
- 3. Battery life increase**
- 4. Reduce battery cost**
- 5. Cash saving and time saving**
- 6. Vehicle production costs reduce**
- 7. Environmentally Friendly**
- 8. Zero emersion**
- 9. Good for defense**
- 10. 80% Sound Free**
- 11. No vibration**
- 12. Easy maintenance**
- 13. Good for public transport and goods transportation**
- 14 .This is an invention that will help Indians stand tall in the World**
- 15. New impetus in E.V and good potential for exportetc**

How it's work ?

Renewable Energy

Circuit Diagram



1. Range Anxiety-Free Driving

The primary concern for EV users – running out of charge – is completely eliminated. As the vehicle recharges itself while in operation, drivers can enjoy uninterrupted journeys, making long-distance travel stress-free.

2. No Charging Time Required

The need to spend time charging the vehicle is avoided. This is a huge convenience for users, especially in today's fast-paced world, as there's no need to search for charging stations or wait for the battery to replenish.

3. Increased Battery Life

By preventing deep discharges and reducing constant charge-discharge cycles, the lifespan of the battery can be significantly extended. This translates to lower long-term replacement costs for the battery.

4. Reduced Battery Cost

An extended battery life directly reduces the need for frequent battery replacements, leading to significant cost savings over the vehicle's lifetime. Furthermore, reduced reliance on extensive charging infrastructure can lower overall costs.

5. Cash and Time Savings

Users save money by eliminating fuel costs entirely. Additionally, the time saved from not needing to charge, or travel to charging stations, adds up to substantial time savings, offering significant financial benefits to the owner.

6. Reduced Vehicle Production Costs

The simplified design, which might eliminate the need for elaborate charging ports and dedicated charging units, could potentially lower the overall manufacturing costs of the vehicle, which could be reflected in its final price.

7. Environmentally Friendly

While all EVs are eco-friendly, self-charging vehicles completely eliminate the reliance on external power grids, potentially reducing carbon emissions further and promoting cleaner energy usage. They offer a truly sustainable mode of transport.

8. Zero Emission

These vehicles produce no tailpipe emissions, contributing significantly to improved air quality in urban areas and helping combat climate change.

9. Beneficial for Defense

For military applications, self-charging capabilities eliminate the logistical challenges of fuel supply or setting up charging stations in remote or hostile environments. Their silent operation and efficiency are highly advantageous for defense operations.

10. Approximately 80% Sound-Free

Compared to traditional internal combustion engine vehicles, self-charging EVs operate with significantly reduced noise levels. This contributes to less noise pollution in cities and provides a quieter, more pleasant driving experience.

11. 80% Vibration Free

Without an internal combustion engine, there are no vibrations, ensuring a much smoother and more comfortable ride for both the driver and passengers.

12. Easy Maintenance

The absence of complex components like engines and gearboxes means significantly lower mechanical maintenance requirements. This reduces both maintenance costs and time.

13 Ideal for Public and Goods Transportation

For vehicles that need to operate continuously, like public transport buses, taxis, or goods transport trucks and vans, the ability to avoid charging downtime offers immense operational efficiency and benefits.

14. An Invention to Elevate India's Global Stature

If this technology materializes, it has the potential to position India as a global leader in electric vehicle innovation, a truly groundbreaking invention.

15. New Impetus for EVs and High Export Potential

This technology could provide a significant boost to the electric vehicle market, invigorating innovation and opening up vast export opportunities for this advanced technology and the vehicles themselves to other countries.



**Stage
01**





Stage
02





Stage
03





**Stage
04**





Final stage



Myself



My name is Ranu Chacko, and I was born in 1978 in Pandalam Village, Pathanamthitta district, Kerala. My basic qualification is a bachelor's degree.

From a young age, I've had a great interest in new technologies and inventions. Perhaps this inspiration came from my grandfather, who was also a keen innovator. My approach was to think differently and act differently.

When I was in eighth grade, I developed a device that could measure the water level in our home's water tank from the kitchen. Later, I invented an iron that works without electricity and a type of gas that could be used as an alternative during cooking gas shortages. I also created a multi-purpose tool for husking, breaking, and grating coconuts, and for moving stools after use. Additionally, I built an exercise machine using an old bicycle. I even developed a chemical to eliminate farm odours. I have made numerous inventions like these across various fields, always finding new technological solutions.

After completing my bachelor's degree, I moved abroad. There, I focused on jobs including computer graphic design. At that time, computer seals were typically made using machines. One day, when the machine broke down, I surprised everyone by producing high-quality computer seals manually, without machine assistance. This led me to continue making new discoveries in the advertising sector.

Recognizing my abilities, sponsor entrusted me with managing their crusher unit, which was operating at a loss. Despite my limited technical knowledge, I began repairing all the foreign machinery there. I managed to turn the company, which was incurring a loss of 5,000 Omani Riyal into a profit of 10,000 Riyal within just three months. Subsequently, I took charge as the company's manager.

Later, they transferred me to their automobile division. This was a franchise of the American company 'Precision Tune Auto Care', specializing in premium car servicing. I worked there as a Business Development Manager for about four years. During this period, I was able to increase revenue and open four new branches.

After all this, I returned home. Here, when I bought an electric scooter, its limited range became a significant inconvenience whenever I needed to travel more than 65 kilometres. To solve this problem, I conducted research for three years. Although I built four devices, they had some limitations. Then, experimenting with new technologies, after three years of intense research, I developed an optimal device to solve this problem. Its specialty is that no matter how far you travel, only 40% of the battery will be depleted. This technology operates on the principle of renewable energy and is not complicated.

I believe this will be helpful for your industrial advancement.

I'll stop here for now. If you are interested, we can meet in person. Please contact me at the Phone number or email below.

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