



100%
Solar Powered
Electric Vehicle

Esse Mobility

... living your DREAMS!



SOLAR CAR

Assist in urban transportation reform



No range anxiety

The Max. speed is 75 km/h, and the Max. range in energy-saving mode (ECO) can reach 550 km

No charging anxiety

Three energy replenishment modes: OBC (Household electricity) & solar and battery replacement

Battery exchange mode

Quickly replace the power battery in **5** Minutes A convenient way like refueling a car



SOLAR CAR





SOLAR CAR

Overview

Esse Mobility specializes in the development and deployment of solar-powered solutions for electric vehicles (EVs). The company focuses on creating sustainable electricity vehicles and efficient charging infrastructure that leverages solar energy to power EVs, thereby reducing reliance on fossil fuels and contributing to environmental sustainability.



Model: - Purity SPV550 & SPV150





SOLAR CAR

IT CAN BE CHARGED AS LONG AS THERE IS LIGHT

- WEAK LIGHT POWER GENERATION TECHNOLOGY
- FULL ROOF SOLAR ENERGY
- IP65 WATERPROOF
- CURVED GLASS PANEL





SOLAR CAR

Key Products and Services

1. **Rooftop Solar PV:** Esse's Purity, Nigeria's first Solar Car, a game changer in the world of electric vehicles is rewriting the rules of urban driving with its capacity of running nonstop without experiencing charging anxiety.
2. **Range on Full Charge:** Don't get deceived by the size, the 4 doors Purity can complete 550km travel without losing a breath and can reach 700km under sunny day.
3. **Solar-Powered EV Charging Stations:** Esse Mobility designs and installs solar-powered charging stations for both residential and commercial use. These stations utilize photovoltaic panels to generate electricity, which is then used to charge electric vehicles.
4. **Portable Solar Charging Kits:** The company offers portable solar charging kits that can be used to charge EVs on the go. These kits include backup batteries, roof panel kits, and overland kits, making them suitable for various applications, including off-grid locations and remote areas.





SOLAR CAR

Key Features

- AI intelligent Battery Management System (BMS)
- Smart dashboard with a range perfect for city commutes, urban taxi and short road trips.
- Best car tracking and dashboard security systems. Every movement, monitored 360 degrees in real time
- Perfect for young professionals, small families and school runs. Practical solution for modern urban transportation challenges.

Esse SPV550

The base battery capacity is 17.28kWh, plus the front compartment (cabin) battery is 10.8kWh, making a total of 28.08kWh. The driving speed for D gear is 70-75 kilometers per hour, while the driving speed for E gear is 50-60 kilometers per hour. The two batteries can run 400 kilometers in D mode, and should be able to run more than 550 kilometers in E mode

**100%
Solar Powered
Vehicle**



Esse SPV150

The base battery capacity is 10.8kWh. There is no front cabin battery, however, there is provision for cabin battery replacement (swapping) of another 10.8kWh. This gives a maximum range of the two batteries as only 300 kilometers. The driving speed for D gear is 70-75 kilometers per hour, while the driving speed for E gear is 50-60 kilometers per hour.

www.essemobility.com



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URBAN TAXI



100% Solar Electric Taxis

Reliable, Safe & Premium

- Affordable Pricing
- Zero Driver Cancellations
- Zero Emissions



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