



Electric Cargo 3-Wheeler • L5 Category

- MADE IN INDIA MADE FOR INDIA CARGO EV FOR THE MASSES
 - + Quality
 - + Affordability
 - + Technology
 - + Load & Range
 - + Safety
 - = **neEV** = Maximum Earning



NEEV - Electric 3-wheeler (L5 cargo) is available in different variants. Customer chooses models based on application.

* All distances on IDC cycle at ARAI







181 km / charge*

151 km / charge*

151 km / charge*

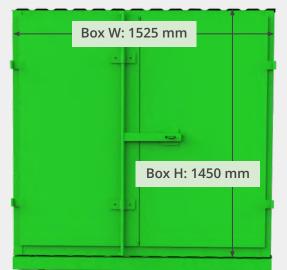
Flatbed

Low Deck

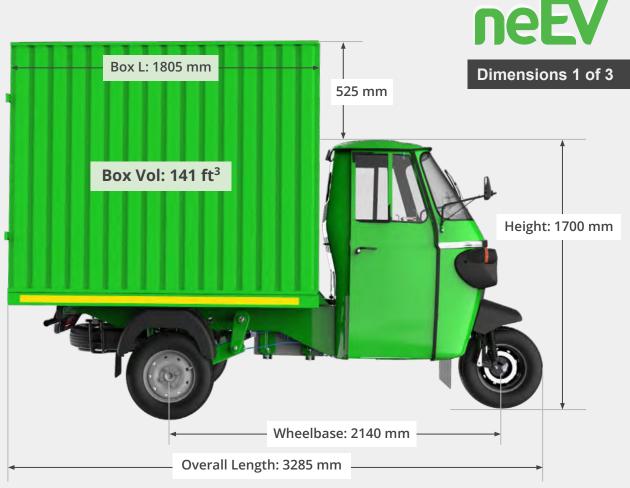
High Deck

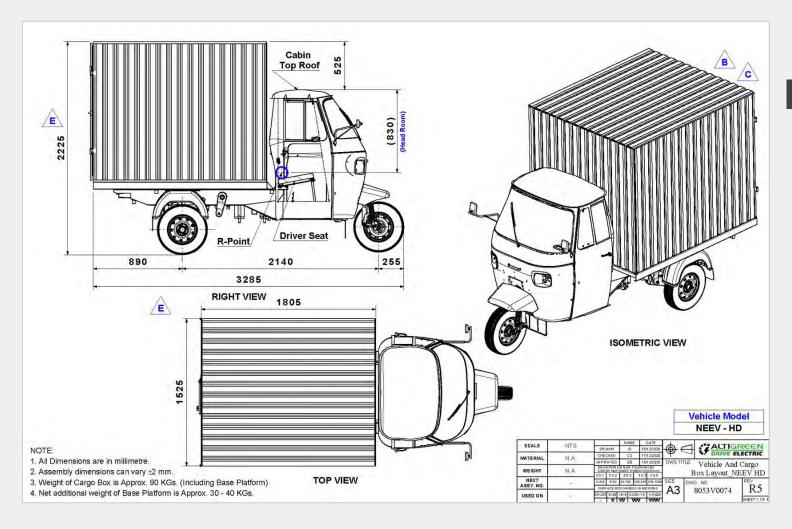






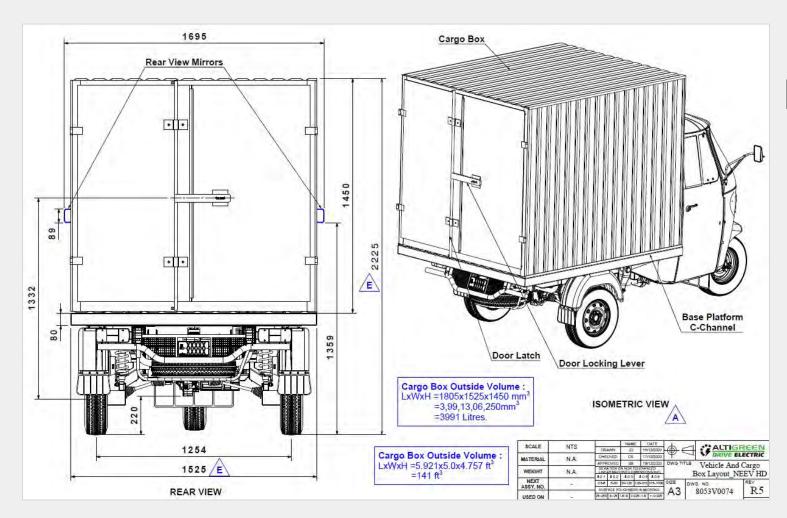








Dimensions 2 of 3





Dimensions 3 of 3

Exterior 1 of 2

Branding opportunity on five sides of the box

Lockable cabin with doors and windows. Safety for valuables. No down time in harsh weather

Dual front suspension and helical springs for stable, smooth ride

Front disk brakes for better braking



Exterior 2 of 2

Transaxle with individual suspensions and helical springs for rear wheels provide excellent stability

4.5 x 12 - 8PR Wide tubeless radial tyres for superior road-grip



Large, closed container loadbay with 141 ft³ volume

Full LED tail lamp cluster with reverse buzzer

Best-in-class ground clearance (220 mm)

Electric Drivetrain

Powerful motor easily climbs steep gradients, flyovers, and basement ramps with a loaded vehicle, especially from stationary state

Electronics

Centrally placed 11kW-h Li-ion battery for very low CG and stability. Provides exceptional 151 km range per charge

Gearbox -

Cabin Interior

Conveniently located Boost / Reverse / Drive mode selector

Ergonomic controls

Handbrake: dual-channel



Wiper: Heavy-duty DC-motor based

Large 5 inch digital display with all critical information

Lockable glove box



Large Dashboard with All Critical Info





Vehicle Specs 1-of-3

Spec	Value	Benefit
Motor Peak power	8.25 kW	Higher power = more speed. Allows easier overtaking
Motor Peak torque	45 NM	Diesel 3W have 23 NM
Transmission	Single Speed, Fixed Ratio 18:1	Single speed reduces driving complexity. No clutch, no gear change. EVs provide high torque. 810 NM on wheels is best-in-class. Pull high loads on steep gradients with ease.
Controller type	Closed loop FOC	High efficiency (96%) with in-built safety, and fine control.
DCDC Converter (48V-12V)	300 W	Adequate for full electrical load of vehicle. Ensures 12V battery is never drained.
Gradeability (GVW for moving vehicle)	17%	Highways, bridges and flyovers range 3.3% to 6%. 11% allows for ease of climbing even up building basements
Max. speed	53 kmph	High speed enough for city roads and suburban traffic-free stretches
Battery type	Lithium / LFP	Spec for adverse conditions incl higher temperature (60°C) of operation
Battery Voltage	48 V	46V-56V
Battery capacity	11 kWh	Best in class, ensuring no range anxiety



Vehicle Specs 2-of-3

Spec	Value	Benefit
IDC Distance per charge	181 km	Standard Indian Drive Cycle, with vehicle and 150Kg load
On-road range per charge	120 km	Based on pilot testing with loaded vehicle in slow moving traffic.
Charger	3000 W	Able to charge from the household 220V/16A socket. Full battery charge in 3.5 hours.
Regenerative braking	Yes	Conserves energy, increases range. Reduces brake pad wear. Required for FAME.
Suspension	Twin coil-spring with damper (Front). Independent suspension with coil-spring (Rear).	3-Wheelers are prone to tipping over during a high speed turn or on uneven roads. Independent suspension, instead of rigid axle, reduces that risk. Improves safety.
Wheel base	2150 mm	Good distribution of weight between front and rear
Closed Load body volume*	141 ft ³	Approx 80 packets for delivery. Can be increased with rear overhang.
Turning radius	3000 mm	Tight U-turns on narrow roads

^{*} Vehicle can be purchased without load body. Suitable load body fabricated as aftermarket.



Vehicle Specs 3-of-3

Spec	Value	Benefit
Vehicle gross weight	950 kg	
(Official) Permissible Load	550 kg #	
Parking brake	Handle Lever Type	Sturdy throttle with adjusted tension
Instrument cluster	Digital	Large display. LED indicators. Mode switches. Proactive alerts.
Telematics	Mobile and web-based	 GPS tracking, cradle to grave Per second recording of speed, battery, temperature and other critical parameters Proactive alerts to driver during faulty operation Service guidance and recovery to-dos View of all vehicles aggregated in a fleet Recording and reporting of historical data
Doors	Lockable doors with windows	Safeguard valuables (documents, cash, phone). Avoid downtime even in harsh, rainy conditions.
Brake Lights, Indicators	LED	High intensity yet low power consumption
Windshield Type	Laminated glass	For a 180° view of the road. Large, extended/adjustable wing mirrors.

[#] Multiple variants available with lower kerb weight and higher payload



Assurance



- All Electrical and Electronics Parts
- Excluding Consumables
- Includes Li-Battery
- Vehicle Insurance All India Coverage
- Detailed Guides for Drivers / Owners
 - Owner's Manual
 - Service Manual
 - Do's and Dont's Videos for new Drivers
 - Quick User Reference Guide for Drivers



Altigreen

The Company

- Bangalore-based
- Champion of carbon-free transportation
- Designs world-class
 Electric Vehicles and
 drivetrains
- Special focus on emerging markets

Founded by a team of experienced global professionals passionate about EVs.

Deep expertise across technologies.

Altigreen aims to make EVs economical, and accessible for the masses.







Altigreen Strength

- 26 global patents
- 6 in the US
- More in India, Europe, Australia, South and Southeast Asia, Africa



Everything Designed & Developed In-house

Designed / Developed / Tested over 8 years.
No component imports.

- Drivetrain: Built for the specific needs of India
- Motor: With complete test facilities
- ✓ Power Electronics: All EV components
- Lithium Battery:
 Battery design, and
 Management System

- R&D:

 Expertise in Motors,
 Controls,
 Transmissions,
 Telematics, BMS
- Vehicle Assembly: With complete RLS Vehicle Dyno testing facilities

All components, and completed vehicle is homologated and approved by ARAI. Fully compliant with FAME-II guidelines.

The **Founders**

Experts in the fields of motors. controls, and software.

Based in India and the US.



Amitabh Saran

PhD (Computer Science) from UCSB; 27 years' of software, technology and corporate leadership roles with TCS, Philips, NASA, HP, and TriVium. Last Founder/CEO of Buzzintown, acquired by Yatra.com in 2012.



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Lasse Moklegaard

PhD (Control Engg) from UCSB; 18 years' experience in building and integrating control systems, including for Ford, Mack Trucks, military vehicles, John Deere and Cessna/Lear jets. Worked with Cambridge University, Pacific Scientific, Aker and DISTek.

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Shalendra Gupta

MBA from IIM (A); 28 years' experience in finance, commercial, business development and manufacturing. Worked with SBI Capital Markets, Deutsche Bank, Siemens and BCH Flectric.





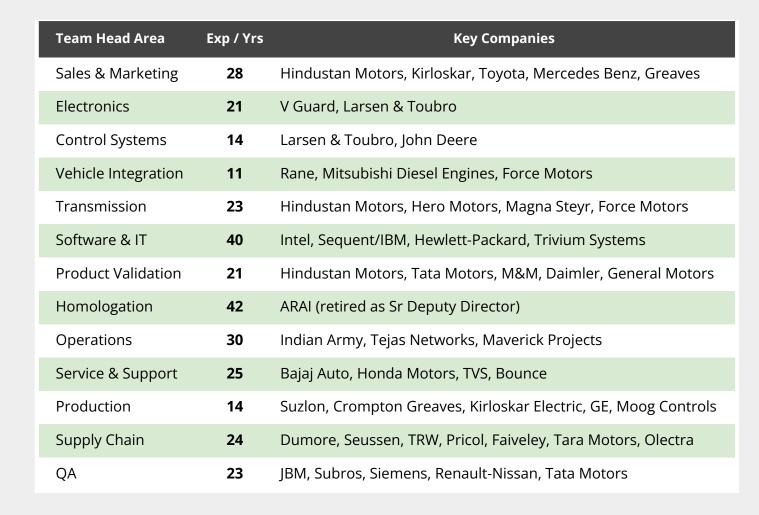
John Bangura

PhD (Electrical Engg) from Marquette; 21 years in high performance motors and electronics in aerospace and hybrids for Kawasaki, Rolls Royce, Goodrich, Boeing, Airbus, Bombardier and military. Worked with Black & Decker, Alltrade, Pacific Scientific, Hamilton Sundstrand/UTC



Leadership Team

Core team's expertise is drawn from organisations known for their excellence





Thank You!

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