

**EVNL3 - FV** model build with **front fascia** that combines electric motors with a drivetrain and battery system. This E-carts offer a cost-effective and efficient way to move items for a variety of purposes. It is perfect for various tasks like transporting construction materials such as sand and bricks, particularly on small streets, due to their lower base flat-type open-body loading container with a closed driver cabin. They are also ideal for supplying gas cylinders, delivering water cans, handling various industrial tasks, working in agriculture, or picking up milk and supplies. Like ICE engine diesel cars, these models fall under the **L3 category** and can be registered at any **Regional Transport Office (RTO)** across India.

## EVNL3 - FV



Available Colors





## SPECIFICATION

| E-Cart                                   | EVNL3 - FV                                                                        | EVNL3 - FV+                                                                       |
|------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| ATTRIBUTE                                |                                                                                   |                                                                                   |
| VEHICLE CATEGORY                         | L3 LOADING CART                                                                   | L3 LOADING CART                                                                   |
| VEHICLE SEATING/<br>LOADING CAPACITY     | Driver & 500 Kg / 1 Ton                                                           | Driver & 500 Kg / 1 Ton                                                           |
| BATTERY, CONTROLLER & POWER              |                                                                                   |                                                                                   |
| MOTOR TYPE                               | BLDC MOTOR & POWERTRAIN                                                           | BLDC MOTOR & POWERTRAIN                                                           |
| BATTERY TYPE                             | LEAD ACID                                                                         | LITHIUM-ION-LFP                                                                   |
| BATTERY VOLTAGE                          | 48 V                                                                              | 48 V                                                                              |
| BATTERY CAPACITY                         | 140 AH                                                                            | 100 AH                                                                            |
| MOTOR POWER                              | 1.2 KW                                                                            | 1.2 KW                                                                            |
| PEAK TORQUE                              | 21 NM                                                                             | 21 NM                                                                             |
| CONTROLLER                               | 24 Tube MOSFET                                                                    | 24 Tube MOSFET                                                                    |
| SPEED                                    | ≤25kmph                                                                           | ≤25kmph                                                                           |
| CLIMBING                                 | ≤5 Degree                                                                         | ≤5 Degree                                                                         |
| TRANSMISSION                             |                                                                                   |                                                                                   |
| TRANSMISSION TYPE                        | DIFFERENTIAL                                                                      | DIFFERENTIAL                                                                      |
| SUSPENSION & BRAKES                      |                                                                                   |                                                                                   |
| FRONT SUSPENSION                         | HYDRAULIC 43MM                                                                    | HYDRAULIC 43MM                                                                    |
| REAR SUSPENSION                          | LEAF SPRING WITH DAMPENER                                                         | LEAF SPRING WITH DAMPENER                                                         |
| STEERING                                 | HANDLE BAR                                                                        | HANDLE BAR                                                                        |
| BRAKE                                    | DRUM BRAKE HYDRAULICALLY ACTUATED                                                 | DRUM BRAKE HYDRAULICALLY ACTUATED                                                 |
| WHEEL                                    | 2.15J-12"                                                                         | 2.15J-12"                                                                         |
| TYRE                                     | 3.75-12                                                                           | 3.75-12                                                                           |
| DIMENSION                                |                                                                                   |                                                                                   |
| WHEELBASE                                | 2130 MM                                                                           | 2130 MM                                                                           |
| MINIMUM GROUND CLEARANCE                 | 180 MM                                                                            | 180 MM                                                                            |
| DIMENSIONS(LXWXH)                        | Length 5 x Width 3.5 x Height 4.15 Ft /<br>Length 6 x Width 4.5x x Height 4.15 Ft | Length 5 x Width 3.5 x Height 4.15 Ft /<br>Length 6 x Width 4.5x x Height 4.15 Ft |
| WEIGHTS                                  |                                                                                   |                                                                                   |
| GROSS VEHICLE WEIGHT (WITH<br>BATTERIES) | 699 Kg                                                                            | 699 Kg                                                                            |
| PAYLOAD                                  | 300 Kg & Maximum 500 Kg                                                           | 300 Kg & Maximum 500 Kg                                                           |
| PERFORMANCE                              |                                                                                   |                                                                                   |
| TOP SPEED                                | <25 KMPH                                                                          | <25 KMPH                                                                          |
| TYPICAL DRIVING RANGE                    | 70 TO 90 KM                                                                       | 70 TO 90 KM                                                                       |
| GRADEABILITY                             | 12%                                                                               | 12%                                                                               |
| CHARGER                                  |                                                                                   |                                                                                   |
| CHARGER TYPE                             | OFF-BOARD CHARGER<br>230 V, AC , 50 Hz                                            | OFF-BOARD CHARGER<br>230 V, AC , 50 Hz                                            |
| CHARGE DURATION                          | 5-6 HRS                                                                           | 5-6 HRS                                                                           |
| OTHERS                                   |                                                                                   |                                                                                   |
| FRONT WIND SHIELD                        | LAMINATED GLASS WITH WIPER & ITS<br>MOTOR                                         | LAMINATED GLASS WITH WIPER & ITS<br>MOTOR                                         |
| HEADLIGHT & ROOF LIGHT                   | HALOGON                                                                           | HALOGON                                                                           |
| METER                                    | ANALOG / DIGITAL METER                                                            | ANALOG / DIGITAL METER                                                            |
| BUMPER                                   | ATTRACTIVE FRONT & REAR BUMPER                                                    | ATTRACTIVE FRONT & REAR BUMPER                                                    |
| ACCESSORIES                              | TOOL KIT, REVERSE BUZZER, REVERSE<br>CAMERA, GLOVE BOX                            | TOOL KIT, REVERSE BUZZER, REVERSE<br>CAMERA, GLOVE BOX                            |

EVNL3-FV uses Valve Regulated Lead Acid (VRLA) batteries, while the EVNL 3-FV+ uses Lithium Iron Phosphate (LFP) batteries. This distinction enables decision flexibility based on individual requirements and preferences for battery longevity and performance.



E-Cart



E-Auto



E-Rickshaw



E-Delivery  
Cart



E-Golf Cart



E-Bus