



Smart Vending E-Cart



The smart vending E-cart is a fully electric vehicle with solar assist. It is an effective and convenient mode of transportation for small businesses in rural, peri urban and the farm sector. This cart can become a valuable vehicle of change for the rural areas ushering in economic betterment, opening up livelihood possibilities and according dignity of work to millions of youth.

Specification

Max Speed	25 km/h
Maximum range	80km
Charging time	6-8 hrs
kerb weight	410 kg
Cargo capacity	250 kg
Turning radius	3m
Gradient	10%
Dimension	2610x1000x1780mm
Motor	48V 1250W
Battery	12V 120Ah lead acid (4 in number)
Steering System	Two wheeler type
Tyres	90-90/12, 3.75-12 (Heavy Duty)
Charger	48V 10A SMPS with auto cutoff
Steering System	Two wheeler type
Brake Range	4<=M
Suspension	Front Hydraulic Shockers and Rear Leaf Spring Suspension
Chassis	Square Tubular type
wheelbase	2225mm
Accelerator	Throttle two wheeler type
Rear wheel tread	837mm
Rear body Dimensions	1.2x1x1.2m



Cargo Capacity
250 Kg



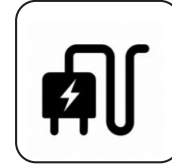
Motor
48V 1250W



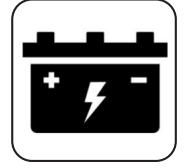
Travel Range
80 km / Charge



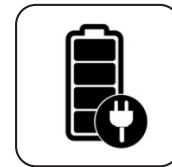
Power Consumption
6-10 kWh/100 km



Controller
24 Tubes 60 Amp



Battery
12V/ 100-120Ah



Charging Time
8 Hours



Speed
25 km/h



Slope climb
10° Angle



SOLAR ASSIST



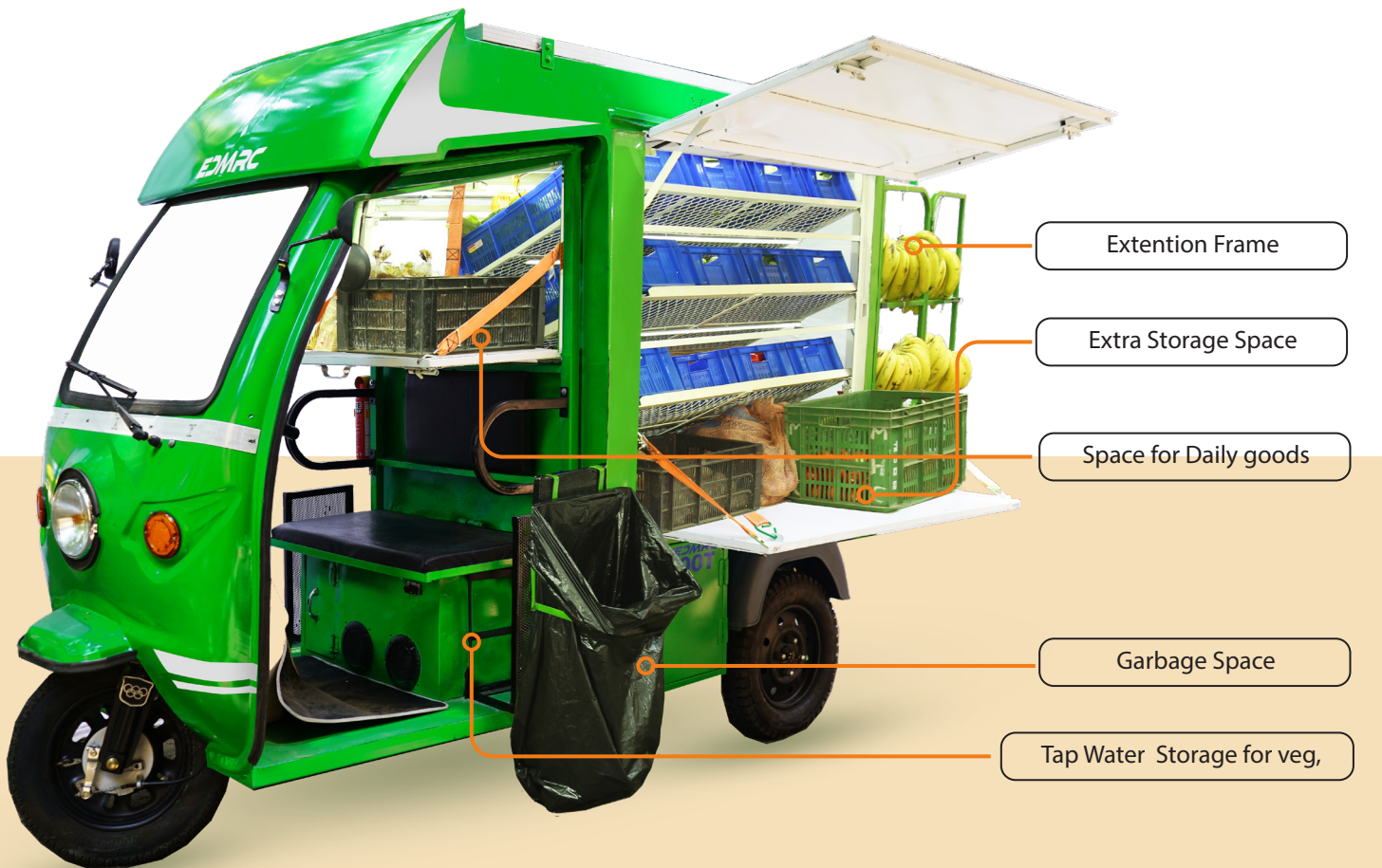
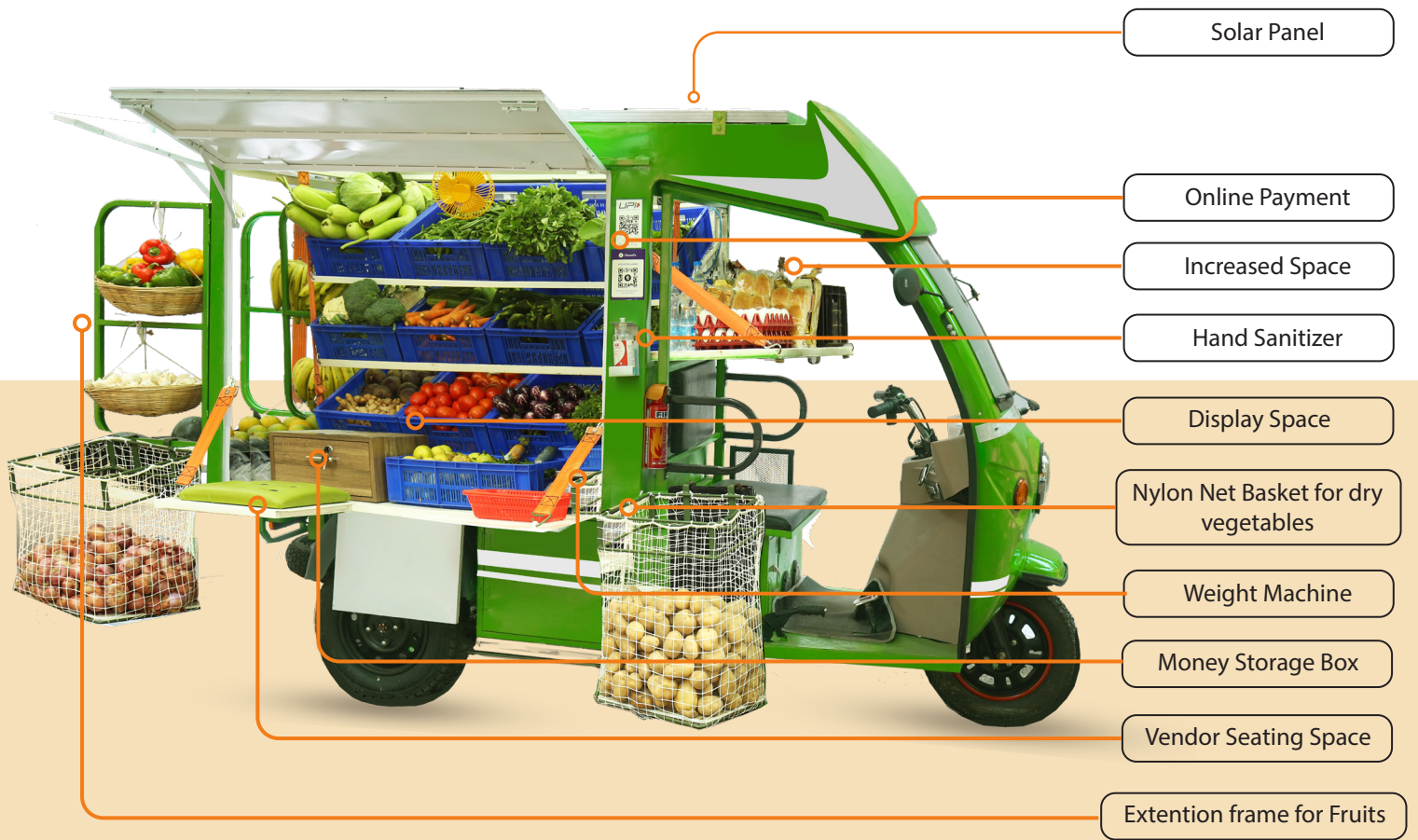
ECO-FRIENDLY



ELECTRIC CART



MISSION GREEN
EARTH



Smart Vending E-Cart Features



Display Space



Lighting inside the E-Cart



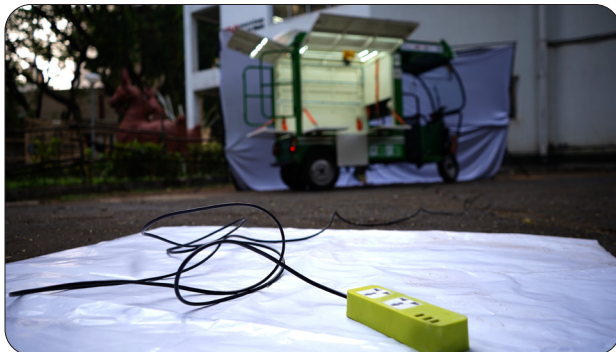
Fan for Customer and Vendors



Seating Space for Vendor



Modular Garbage Collector



Household Power transfer from E-Cart



Modular Basket for Dry Vegetables



Fire Extinguisher



Compact Display Space



Mist Cooling for Vegetables



Solar Panel



Entertainment



Document Storage, First Aid Kit and Drinking water



Extention Frame for Fruits



Ventilation for Vegetable



Water Storage Space



Online Payment and hand sanitizer



Alternative Usage of E-cart for Agro and Rural Economy



Milk Transportation



Egg Crate Transportation



Mobile Dispensary



Poultry Transportation

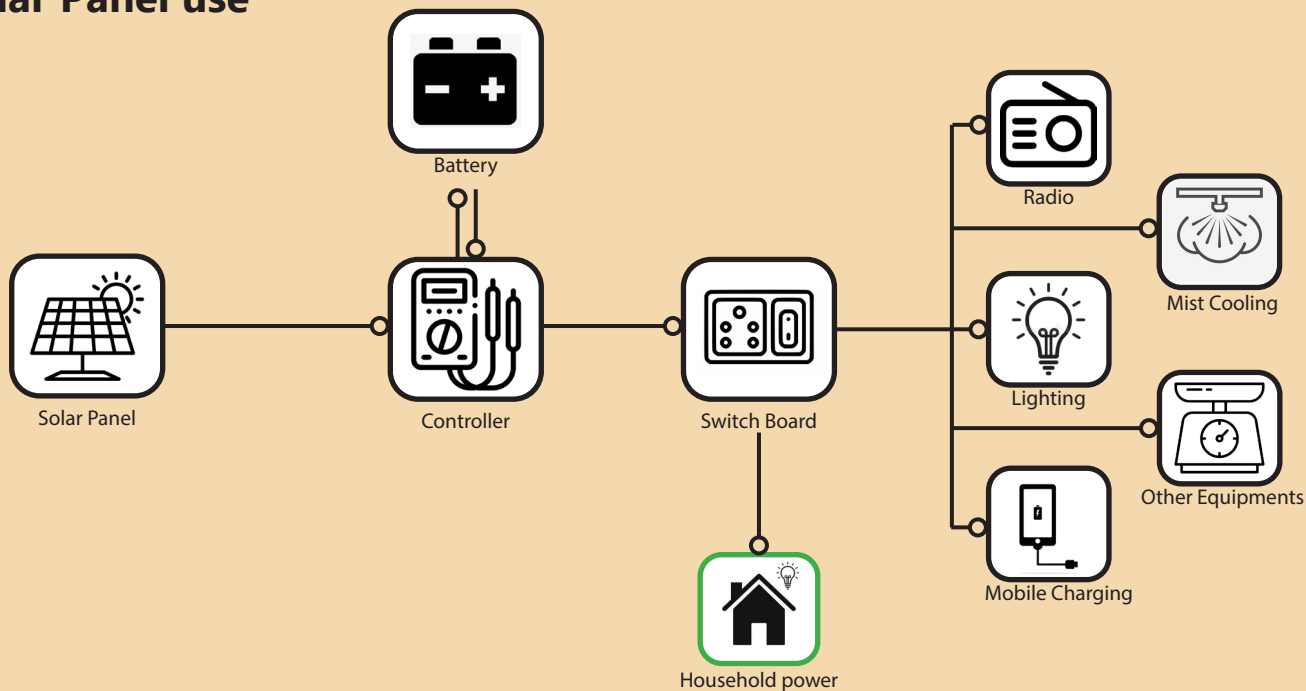


Animal Transportation



Plants Transportation

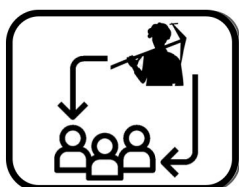
Solar Panel use



Smart E-Vending Cart Benefits



Last Mile Connectivity



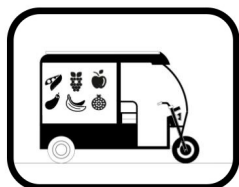
Better procurement from farmers and wholesalers



Coverage of larger geographical area



Seating Facility for vendor



250 kg Capacity for Vegetables and Fruits.



Increase customer attraction and daily sale



Storage space for money, phone and Documents



Customization of E-Cart for Different Vending options

TOWARD ACHIEVEMENT OF NATIONAL DEVELOPMENT GOAL

