

FREEDOM M 



**FREEDOM ELECTRIC
MOBILITY**
ARAI & ICAT APPROVED





➤ INTRODUCTION

- IRIDIUM LOGISTIC LLP is a multidimensional mobility solution entity providing integrated solution for reducing measurable emissions, city pollution by creating ecology of electric driven fossil fuel free zero emission vehicles and allied infrastructure hence creating EV adoption model in India. Which includes EV value chain comprising of Employee transport ,platform based ride hailing and last mile urban freight and deliveries.
- IRIDIUM LOGISTIC LLP is promoted by the professional s having more than three decades of experience in mobility industry as hard core manufacturing activity to most advanced digitally managed operation and asset systems as to provide affordable and convenient rides using Two, Three and four wheelers.
- Parent company – **IRIDIUM HOLDING**
- Other subsidiary companies – **IRIDIUM HOLDING LLC**
- Area of Operation –**All Verticals in Mobility & Utility Specific and Services of Vehicle, Energy**
- Product – **Electric 3 Wheelers and Electric 2 Wheelers**



➤ Why Us

- Iridium Logistic LLP provides and is fully equipped with the most up to date and geographically relevant information on EV adoption. Designing and implementing clear steps to take in planning and adopting an EV fleet for any organization.
- We believe in adopting new path ways towards clean ,cost effective efficient mobility with rapidly evolving technologies and business model to create a decarbonized Eco system

➤ Our Vision

- Our vision is to create a new sustainable Mobility system with zero carbon emission hence replacing health hazardous fleet of fossil fuel vehicles by electric and evolving environment friendly mobility system which will lead to clean and green atmosphere .

➤ Our Mission

- Mobility is the center of modern life .Our mission is to decarbonizes mobility and to create impact on quantity and purity of oxygen for humanity

PRODUCT SPECIFICATIONS

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➤ **SEGMENTS**

ELECTRIC 3 WHEELER



FREEDOM CARVAN



FREEDOM CARGO



FREEDOM TRIPPER



FREEDOM SABZI CART

ELECTRIC 2 WHEELER



Macho Series
(Macho M 100)

Macho Series
(Macho M 150)



Macho Series (Macho M 200)

➤ ELECTRIC 3 WHEELER

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➤ FREEDOM CARAVAN – 603V



SEATING CAPACITY	4+1
BRAKE TYPE	DRUM TYPE (FRONT & REAR).
MOTOR RATED POWER	1200 W
MAX . POWER	2.250 KW
MOTOR RPM	3250 RPM
Max. TORQUE	210 NM
MAX. SPEED	25 KM PH
OPERATING VOLTAGE	60 V DC
BATTERY TYPE	LEAD ACID / LI-ION
BATTERY CHARGER RATING	60 V 15 AMP- SMPT
MAX. LOAD CAPACITY	450 KG
ACCESSORIES (FITTED WITH / OPTIONAL)	GPS , C/LOCK , MOBILE CHARGING SYSTEM ,
RANGE PER CHARGE	150 KM / CHARGER *

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➤ ELECTRIC 3 WHEELER

➤ FREEDOM CARAVAN – 702V



Loading Capacity		650 kg
Brakes	Front	Double Acting 180mm Dia, Hydraulic
	Rear	Double Acting 180mm Dia, Hydraulic
Motor		P.M.S. -3KW
Battery (Lead Acid)		72v-140AH(6 Batteries)
Battery (Lithiu-ion)		72v-140AH(1 Battery)
Milage		130KM
Controller		Sin Vector-72V
starting		Electric
Transmission		Automatic Drive
Suspension	Front	Coil Springs with Telescpic Shock Absorbers
	Rear	Rubber Boot Suspension with Telescorpic sho Absorbers
Weight		1000 Kgs

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➤ ELECTRIC 3 WHEELER

➤ FREEDOM CARGO



LOADING CAPACITY

500 KG

MAXIMUM SPEED

30 KM/ hr

MAXIMUM RUN

70 KM

MOTOR POWER RATING

1500 W

LOADING AREA IN MM

L1340 X H1100 X W940

E CARGO MRP

Rs 2.27 lac onwards

E CARGO OPEN MRP

Rs 2.15 lac onwards

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➤ ELECTRIC 3 WHEELER

➤ FREEDOM SABJI CART



LOAD CARRYING CAPACITY	600 KG
MOTOR RATED POWER	1200 W
MOTOR RATING	1200 W X 60 V
CONTROLLER RATING	50 A 24 MOSFET
GVW, KG	393 KG
MAX. SPEED	25 KM PH
TIRE & PLY RATING Pneumatic	3.75 x12
WHEEL BASE	610 MM
OVERALL WIDTH	990 MM
OVERALL LENGTH	1350 MM
OVERALL HEIGHT	1760 MM
CARRIAGE DIMENSIONS	58X39X18 INCH

FREEDOM M



➤ ELECTRIC 3 WHEELER

➤ FREEDOM TIPPER



LOAD CARRYING CAPACITY	600 KG
MOTOR RATED POWER	1200 W
MOTOR RATING	1200 W X 60 V
CONTROLLER RATING	50 A 24 MOSFET
GVW, KG	393 KG
MAX. SPEED	25 KM PH
TIRE & PLY RATIN Pneumatic	3.75 x12
WHEEL BASE	2100 MM
OVERALL WIDTH	900 MM
OVERALL LENGTH	2760 MM
OVERALL HEIGHT	1445 MM
CARRIAGE DIMENSIONS	58X39X18 INCH

➤ ELECTRIC 2 WHEELER

FREEDOM M



- **FREEDOM Macho Series (Macho M 100)**
- **1500 CYCLES 100 KG + DRIVER**



ZERO POLLUTION

RANGE

65 KM

CHARGING TIME

3 HOURS

TOP SPEED

25 KM/H

BATTERY

48V 24Ah

➤ ELECTRIC 2 WHEELER

FREEDOM M



- **FREEDOM Macho Series (Macho M 150)**
- **1500 CYCLES 150 KG + DRIVER**
- **USB PORT ENABLED**



ZERO POLLUTIO

RANGE

65 KM

CHARGING TIME

3 HOURS

TOP SPEED

25 KM/H

BATTERY

60V 24Ah

➤ ELECTRIC 2 WHEELER

FREEDOM M



- **FREEDOM Macho Series (Macho M 150)**
- **1500 CYCLES 200 KG + DRIVER**
- **USB PORT ENABLED**



RANGE

ZERO POLLUTIO

50 KM

CHARGING TIME

3 HOURS

TOP SPEED

25 KM/H

BATTERY

72V 24Ah

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➤ PARTS OF VEHICLE



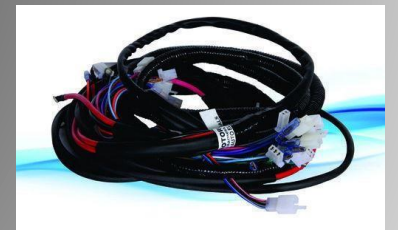
Motor



Differential 10:1 gear ratio



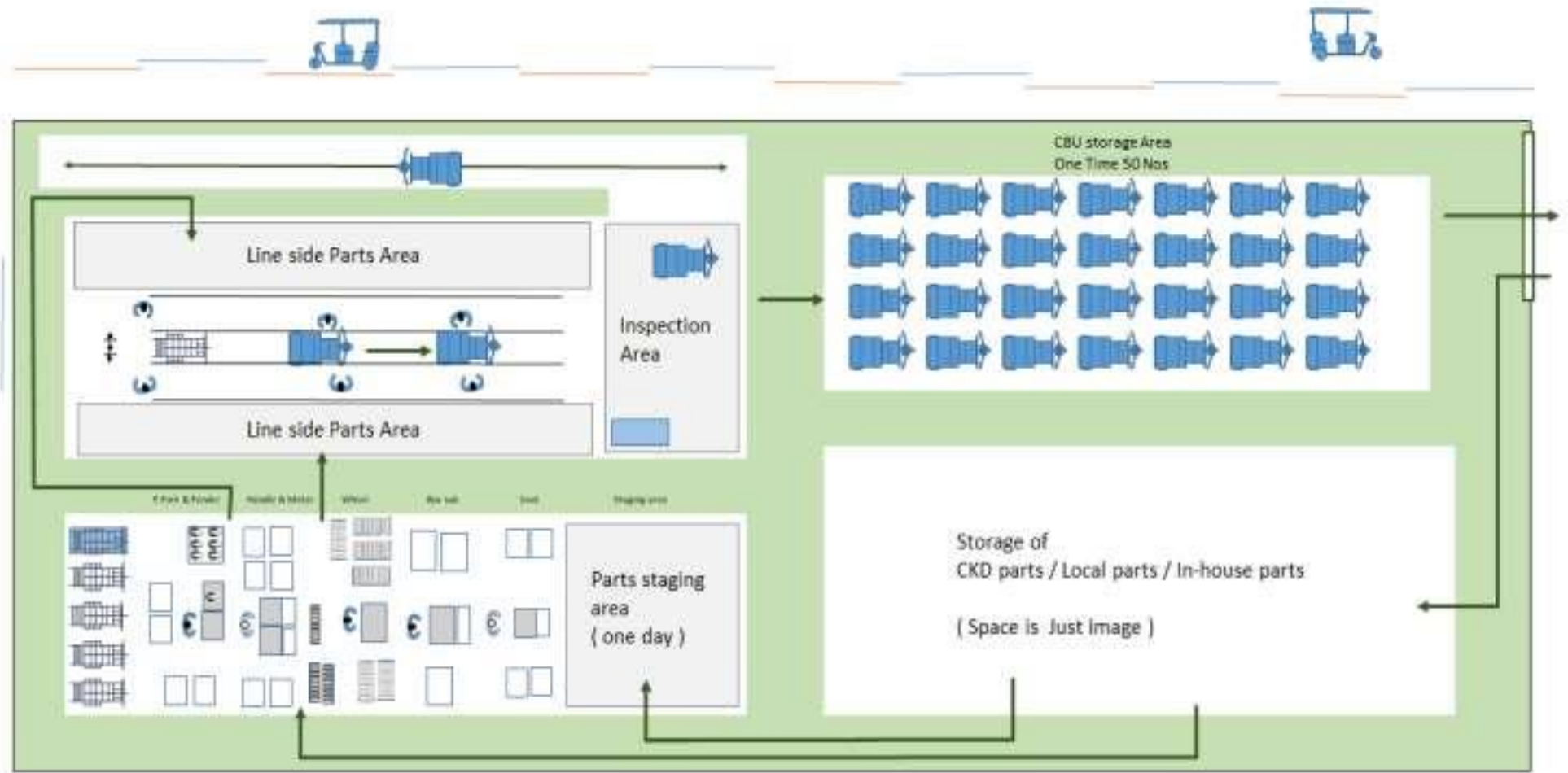
Controller TP power



Wire harnessing

➤ Plant layout for e- Vehicles

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➤ MANUFACTURING FACILITIES

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➤ MANUFACTURING FACILITIES

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