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**Lyrebird Electro India** is a brand, which is 100% Indian. We bring huge experience from Aviation Sector & Consumer Durable sector for over 30 years. We are proudly tied up with most significant brands and products under one roof. Lyrebird Automobiles, is a start-up company that offers wide range EV products such as E-Cycle & Kit, E-Scooty / Scooter, E-Bike, E-Rickshaw /Auto, E –Loader, E-Garbage Collection and top of it EV Charging Stations.

Today, It's founder Ms. Itisri Nandini & Mr. Gyanendra Mohanty and her team C.E.O. Mr. S. Kapoor have been trying very hard to provide best of the solution to end user. We have thoroughly examined all product through different tests and deliberation with our OEMs, so that the consumer get a high quality products. We believe that our business is not just about building a huge pro customer base but at the same time building a better, cleaner and greener future for the generations to come.

We pledge to promote eco-friendly products in the market place to contribute towards our society in a small way. As an ambitious entrepreneur of India's evolving EV market, we wish to provide an affordable eco-friendly technology. The company envisions serving consumer with its innovative yet very reasonable, pocket friendly and quality products.

**“Stylish Quality Products with full of Innovation and Comfort”**

## **Executive Summary**

The adoption of Electric cars (E-Cars) globally has witnessed a surge, with sales in the first half of 2021 already surpassing the 2020 sales. Similar trends can be observed in India too. However, this growth is not at the same scale as in other countries. For instance, while the share of Battery Electric vehicles (BEVs) in the total number of passenger vehicles sold in Europe was 5.4%, the same in India was a minuscule 0.2% in FY2020. However, as per SVT Mobility projections, E-Cars are expected to account for nearly 12% of all passenger cars by FY2026.

Over the last four years, the E-Car sales have been driven by two players, namely Tata Motors and Mahindra, which together account for 80% of the total market. These players have single models each, which are available for prices between INR 8 lakh and INR 14 lakhs. However, the absence of options in the affordable segment (Price < Rs. 8 lakhs) could translate to slower adoption of E-Cars. Other notable barriers to E-Car adoption are range concerns, lack of charging infrastructure, absence of financing mechanisms, and safety concerns among end users regarding the batteries.

In India, compared to its global counterparts, the growth of E-cars has been particularly slow. As depicted in figure 2.1, the growth of E-cars remained stagnant between 2015 and 2019. However, sales have increased post- 2019, with a 361.78% y-o-y increase in 2020. The 2021 registrations, as of July 2021, have further increased, having already crossed the 2020 sales figure. While the growth is impressive, E-cars accounted for a minuscule 0.2% in 2020 of the total passenger vehicle registrations in India.

## **Scope of EV Industry in India**

E-vehicles gaining momentum in India The electric vehicles in India appear to be gaining traction because Tesla, the global head of EVs, has announced plans to start its operations in India. Many companies in India have already started manufacturing electric scooters. The states of India which are aggressively participating in the research and development of e-vehicles are Uttar Pradesh, Madhya Pradesh, and Gujarat. The research in India has started to decrease the dependence of Lithium-Ion batteries on China.

## **Why electric vehicles are a boon for India?**

The debate on the grounds of whether e-vehicles are good or bad for India doesn't need many convincing factors.

### **Facts**

- Out of the 10 most polluted cities in the world, India has 6 cities. The biggest reason for this increase in pollution is fossil fuels. Almost all the vehicles in India, ranging from two-wheelers, four-wheelers, and even trains in some areas run on fossil fuels.
- India's Oil Import-India's total dependence on crude oil imports is 86%, which means only 14% of the nation's energy requirements are met by the nation; the rest is imported. Nevertheless, these imports require US Dollars, which also leads to the decrement of the Indian Forex Reserve.
- Global Climate Change, Heat Emission, Paris Climate Accord and the influence of advanced Artificial Technology on Self-Driving Cars. The next revolution in the world of mobility is undoubtedly e-vehicles.

All these points justify the switch from fossil fuels to e-vehicles. All the developed nations are already making a shift to e-vehicles

## **Major bottlenecks to adhere to**

When we talk about e-vehicles, we have to be very certain about the source of electricity. If we are shifting to electric vehicles but producing electricity from coal, the issue of pollution will remain. Hence, the right way to go about it would be the electricity produced by renewable energy, and, simultaneously, electric vehicles should also use the same source of renewable electricity

## **Challenges for the transition to Electric Vehicles**

### **Infrastructure for charging e-vehicles**

In the current scenario, if a person has to go a long distance because he has a low charge in his e-vehicle. The options for him to re-charge are very minuscule. In India, we have 70,000 filling stations in about 718 districts. Within every 5-6 km, a filling station can be easily located. On the other hand, there are only 300 charging stations for EVs. In such a scenario, a person with an electric vehicle will face a troublesome journey. To conquer this problem, the government is taking steps, but the pace is comparatively slow.

## **Higher Cost**

If a person wants to buy a medium car in India, let's assume a Maruti Suzuki Swift. The on-road price of the vehicle in the petrol variant is 6-7 Lakhs. On the other hand, the electric car offered by Tesla starts at 60 lakhs in India. India is a price-sensitive market and a shift to e-vehicles will only be sustainable if it is affordable

## **Lack of Technology**

India has a huge technology problem. If we talk about a general Maruti Suzuki Swift Petrol car, it has a fuel tank capacity of 40 litres. If the mileage is 15 km per litre, the car can go up to 600 km. Similarly, in terms of technology, if we talk about a completely charged vehicle, will it cover the same distance? In India, we have a popular EV car named TATA TIGOR. On a complete charge, it can go up to 306 km on Indian roads as quoted by the company

## **Import of EV Components & Materials**

Due to a lack of technology, India has to import most of the e-vehicle materials. The battery component in an EV is very crucial. Currently, all the batteries run on Lithium-Ion Technology. Again, the reserve of lithium in India is questionable. Therefore, for most of the battery and EV electronic components, India has to import them from China, which has led to its strategic dependence on China

## **Lack of a Skilled Workforce**

India has a problem with a skilled workforce in terms of electric vehicles. The technology is new and renowned educational institutions aren't able to adapt considering the changing EV technology of the world.

## **Possible Disruption in the Automobile Sector**

The biggest problem that the automobile sector will face would be the possible disruption of the market. Since many automobile companies like Kia, MG Morris Garages, Jeep, etc. have recently entered India and have invested heavily, electric vehicles would lead to a complete disruption in the Indian automobile market. We need a slow and steady transition to electric vehicles so that existing automobile companies will also be able to transition to EVs

## **National Mission on Transformative Mobility and Battery Storage**

A nationalized mission in the year 2019, started which focuses on the research and development of battery technology to decrease the dependence on China. With this, the government is also inviting foreign players to explore the Indian market, such as Tesla, etc. These steps are competitive, but to make a fruitful transition to EV, there's an urge to focus on the following Focus Areas

- Charging Infrastructure
- R&D in Battery Tech
- Scour for essential metals
- Make in India EVs
- EV education

India has more than 3000 charging stations; However, India has aimed to have 20000 charging stations by the year 2023. The work of the Indian government has started and we need more PPP (Public-Private Partnership) collaboration to achieve this target. Battery technology is really important. However, the 2019 commission focuses on this alarming issue, where the motive is to diversify the dependencies from adversaries to allies, and mostly on the creation of India-based technology. The Indian government has not been very forthcoming about electric vehicle education. EV courses need to be introduced into the school curriculum. Bachelors and vocational curriculum have to be devised to solve the technology and skilled labour crisis. Another grave challenge would be how well the existing automobile industry can transit towards EV segments.

## Policies

### Central Policies

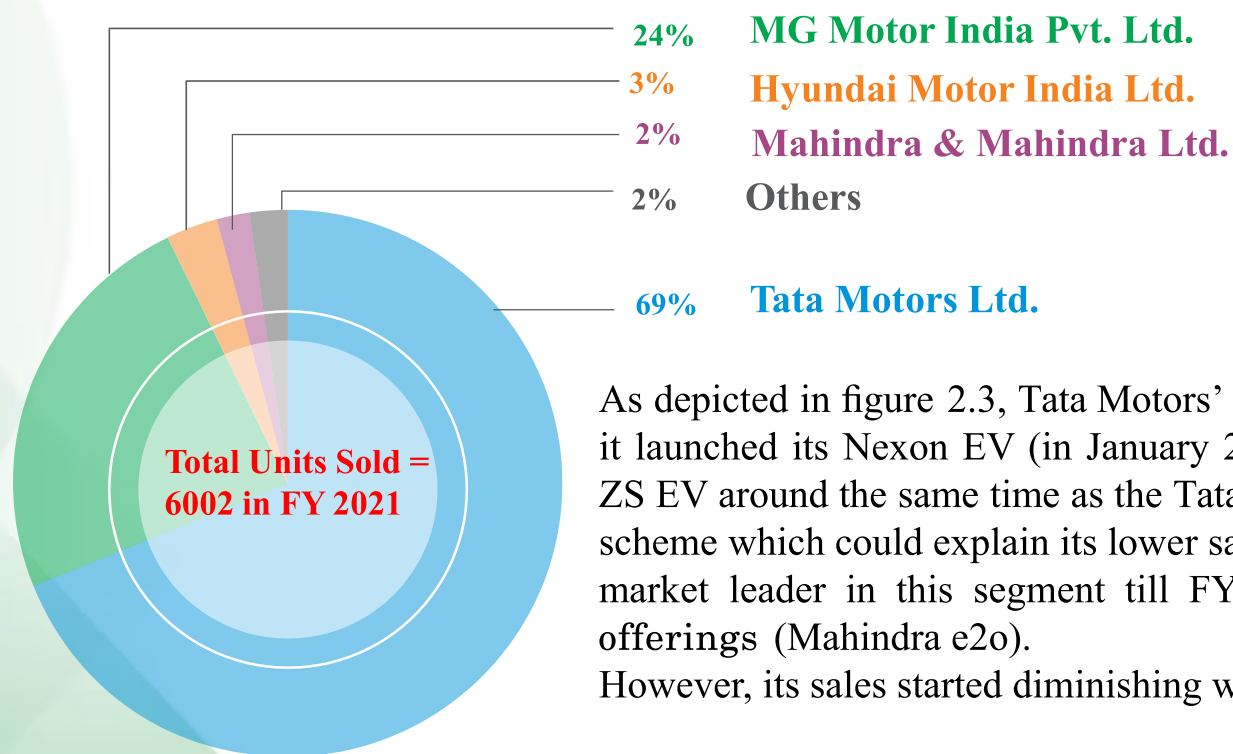
#### \* FAME-II Incentive for E cars

No. of Vehicles to be supported	Approximate Battery Size	Total Incentive/ vehicle @ Rs. 10,000/kWh	Max. Ex -Factory Price	Total funding support by DHI*
35,000	15 kWh	Rs. 1,50,000	Rs.15,00,000	Rs. 525 crores

### Key Players

Unlike the E2W market where the consumer has many options, the E-car market has fewer players. In FY2021, Tata Motors held the largest market share of 72% with its Nexon EV model, followed by MG Motors at 22% with its ZS EV model, together making up 94% of the market. Tata's dominance in the E-car sector is because it is currently the only e-car in the segment which qualifies for FAME-II



## Share of E-car Registrations in FY2021






As depicted in figure 2.3, Tata Motors' sales have soared post FY2020, which was when it launched its Nexon EV (in January 2020). MG Motors too launched its popular MG ZS EV around the same time as the Tata Nexon EV but was not covered by the FAME-II scheme which could explain its lower sales figures. Mahindra, on the other hand, was the market leader in this segment till FY2019 since it was the only player with E-car offerings (Mahindra e2o).

However, its sales started diminishing with the availability

## E-Cars currently available In the Indian Market

Player(s)	Offerings in Market	Launch Date	Specifications	Price
	Tata Nexon EV	January 2020	Battery Pack: 30.2 kWh with 8 year /160,000 km warranty Range: 312 km AC Charging Time: 8.5 hrs.	INR 13.99 - 16.85 lakhs
	Tata Tigor EV	August 2021	Battery Pack: 26 kWh with 8 year/160,000 km warranty Range: 306 km AC Charging time: 8.5 hrs. (0-80%)	INR 11.99 - 13.13 lakhs
	Tata XPres-T EV  (Launched Exclusively for fleets)	July 2021	Battery Pack: 16.5/21.5 kWh Range: 165-213 km Charging time: 1.5 hours	INR 9.75 - 9.99 lakhs
	MG ZS EV	January 2020	Battery Pack: 44.5 kWh with 8 year/ 150,000 km warranty Range: 419 km AC Charging Time: 6-8 hrs.	INR 20.99 - 24.18 lakhs

## E-Cars currently available In the Indian Market

Player(s)	Offerings in Market	Launch Date	Specifications	Price
	Hyundai Kona	April 2019	Battery Pack: 39.2 kWh with optional 8 year/160,000 km warranty Range: 452 km AC Charging Time: 6-10 hrs.	INR 23.77- 23.96 lakhs
	Mahindra e-Verito	June 2015	Battery Pack: 21.2 kWh with 3 year/150,000 km warranty Range: 181 km AC Charging Time: 11.5 hrs.	INR 10.15 - 10.48 lakh
	Mahindra e2o Plus	June 2016	Battery Pack: 11/15 kWh with 3 year/60,000 km warranty Range: 110/140 km AC Charging Time: 6/7.2 hrs.	INR 7.48 - 11.49 lakh
	Jaguar I-Pace	March 2021	Battery Pack: 90 kWh with 8 year/160,000 km/70% battery state of health warranty Range: 470 km AC Charging Time: 8.6 hrs.	INR 1.05 - 1.12 crore



# LYREBIRD ELECTRO INDIA

**E-CYCLE PRESENTATION**

## LYREBIRD E-CYCLE



### LYREBIRD E-Speed 24 Inches Front

## TECHNICAL SPECIFICATION

Model Name & Spec	LYREBIRD E-Speed 24 Inches Front
Colors Available	Black,Red,Green,White
Type of bike -city, mtb , hybrid	Electric/hybrid
Bike Frame Type	Steel
Frame size	16 Inches
Top Speed	25km/hr
Range on PAS	NA
Range on Throttle	Upto 32 Km
Bike weight with battery	23.5 Kg
Bike weight without battery	22 Kg
Suspension	Telescopic
Gears	Single
Battery Type	Li-24V 11Ah,800 cycles, 3 years
Motor Specs and Location	24V,250 watt BLDC motor(Front Drive)
Torque	NA
Charger details & charging time	29V 3Ah (3.5-4 Hr)
Brakes -Front	Rim - U - Brake
Brakes -Rear	Disc Brakes
Details of brake lever	Aluminum
Throttle - Half/Full	Half with key set
IP specs	Battery IP 65 Controller, Sensor IP 67
Display	Battery Level Indicator LED
Lights specs	NA
Tyres size and brand	26 Inches Hartex
Mudguards	Dual tone
USP	Portable Aluminum casing Battery pack,Key switch start
Recommended customer height	4.5-5.5 Feet
Recommended customer weight	75Kg
Pedals	Plastic
Seat	Broad
Seat post	Steel with quick adjustment
material and Length of handle bar	Steel 69 Cm
Items included in the box	Frame ,wheel, handle,Battery,Controller,mudguards
Assembly	85% assembled In Box Packaging
Warranty	Product has standard warranty Frame -Lifetime, Battery -12 Month,Motor -12 Months,Controller -6 Months

## LYREBIRD E-CYCLE



### LYREBIRD E-Speed 26 Inches Front

## TECHNICAL SPECIFICATION

Model Name & Spec	LYREBIRD E-Speed 26 Inches Front
Colors Available	Black,Red,Green,White
Type of bike -city, mtb , hybrid	Electric/hybrid
Bike Frame Type	Steel
Frame size	16 Inches
Top Speed	25km/hr
Range on PAS	NA
Range on Throttle	Upto 32 Km
Bike weight with battery	23.5 Kg
Bike weight without battery	22 Kg
Suspension	Telescopic
Gears	Single
Battery Type	Li-24V 11Ah,800 cycles, 3 years
Motor Specs and Location	24V,250 watt BLDC motor(Front Drive)
Torque	NA
Charger details & charging time	29V 3Ah (3.5-4 Hr )
Brakes -Front	Rim - U - Brake
Brakes -Rear	Disc Brakes
Details of brake lever	Aluminum
Throttle - Half/Full	Half with key set
IP specs	Battery IP 65 Controller, Sensor IP 67
Display	Battery Level Indicator LED
Lights specs	NA
Tyres size and brand	26 Inches Hartex
Mudguards	Dual tone
USP	Portable Aluminum casing Battery pack,Key switch start
Recommended customer height	4.5-5.5 Feet
Recommended customer weight	75Kg
Pedals	Plastic
Seat	Broad
Seat post	Steel with quick adjustment
material and Length of handle bar	Steel 69 Cm
Items included in the box	Frame ,wheel, handle,Battery,Controller,mudguards
Assembly	85% assembled In Box Packaging
Warranty	Product has standard warranty Frame -Lifetime, Battery -12 Month,Motor -12 Months,Controller -6 Months

## LYREBIRD E-CYCLE



### LYREBIRD E-Speed 26 Inches Rear

## TECHNICAL SPECIFICATION

Model Name & Spec	LYREBIRD E-Speed 26 Inches Rear
Colors Available	Black,Red,Green,White
Type of bike -city, mtb , hybrid	Electric/hybrid
Bike Frame Type	Steel
Frame size	16 Inches
Top Speed	25km/hr
Range on PAS	NA
Range on Throttle	Upto 32 Km
Bike weight with battery	23.5 Kg
Bike weight without battery	22 Kg
Suspension	Telescopic
Gears	Single
Battery Type	Li-24V 11Ah,800 cycles, 3 years
Motor Specs and Location	24V,250 watt BLDC motor(Front Drive)
Torque	NA
Charger details & charging time	29V 3Ah (3.5-4 Hr)
Brakes -Front	Rim - U - Brake
Brakes -Rear	Disc Brakes
Details of brake lever	Aluminum
Throttle - Half/Full	Half with key set
IP specs	Battery IP 65 Controller, Sensor IP 67
Display	Battery Level Indicator LED
Lights specs	NA
Tyres size and brand	26 Inches Hartex
Mudguards	Dual tone
USP	Portable Aluminum casing Battery pack,Key switch start
Recommended customer height	4.5-5.5 Feet
Recommended customer weight	75Kg
Pedals	Plastic
Seat	Broad
Seat post	Steel with quick adjustment
material and Length of handle bar	Steel 69 Cm
Items included in the box	Frame ,wheel, handle,Battery,Controller,mudguards
Assembly	85% assembled In Box Packaging
Warranty	Product has standard warranty Frame -Lifetime, Battery -12 Month,Motor -12 Months,Controller -6 Months

## LYREBIRD E-CYCLE



### LYREBIRD E-Speed 27.5 Inches Rear

## TECHNICAL SPECIFICATION

Model Name & Spec	LYREBIRD E-Speed 27.5 Inches Rear
Colors Available	Black,Red,Green,White
Type of bike-city, mtb, hybrid	Electric/hybrid
Bike Frame Type	Steel
Frame size	16 Inches
Top Speed	25km/hr
Range on PAS	Upto 55 Km
Range on Throttle	Upto 32 Km
Bike weight with battery	23.5 Kg
Bike weight without battery	22 Kg
Suspension	Telescopic
Gears	Single
Battery Type	Li-24V 11Ah,800 cycles, 3 years
Motor Specs and Location	24V,250 watt BLDC motor(Front Drive)
Torque	NA
Charger details & charging time	29V 3Ah (3.5-4 Hr)
Brakes-Front	Rim - U - Brake
Brakes-Rear	Disc Brakes
Details of brake lever	Aluminum
Throttle- Half/Full	Half with key set
IP specs	Battery IP 65 Controller, Sensor IP 67
Display	Battery Level Indicator LED
Lights specs	NA
Tyres size and brand	27.5 Inches Hartex
Mudguards	Dual tone
USP	Portable Aluminum casing Battery pack,Key switch start
Recommended customer height	5-6 Feet
Recommended customer weight	75Kg
Pedals	Plastic
Seat	Broad
Seat post	Steel with quick adjustment
Material and Length of Handle bar	Steel 69 Cm
Items included in the box	Frame ,wheel, handle,Battery,Controller,mudguards
Assembly	85% assembled In Box Packiging
Warranty	Product has standard warranty Frame-Lifetime, Battery-12 Month,Motor-12 Months,Controller-6 Months



# LYREBIRD ELECTRO INDIA

**E-SCOOTY PRESENTATION**

## LYREBIRD E-SCOOTY



**ALPHA**

### TECHNICAL SPECIFICATION

Engine and Starting	Self Start Only	
Transmission	Ignition	Keyless
	Instrument Console	Digital
	Anti Theft Alarm/Keyless Ignition	Yes
	Speedometer/ Tripmeter /Odometer	Digital
	Seat Type Single	
Features and Safety	Clock/Carry hook	Yes
	Passenger Backrest/Footrest	Yes
	Underseat storage/Charging Point	Yes
	Pass Switch/USB Charger	Yes
	3 Gear Adjustment	Yes
	Remote System/Parking Mode	Yes
Chassis and Suspension	Body Type	Electric Bikes
	Length/Width/Height	1830 X 710 X 1500 mm
	Ground Clearance	190 mm
Dimensions and	Kerb Weight	65 kg
	Additional Storage	Yes
	MAX Load /KG	250KG
	Headlight/Tail Light	LED
Electricals	Turn Signal Lamp/LED Tail	LED
	Low Battery Indicator	Yes
	Motor Type	BLDC
	Motor Power	1000W/ 10 inch
	Drive Type	Hub Motor
Motor & Battery	Battery Type	Lithium -ion/ Lead Acid
	Battery Capacity	48/60V
	Transmission	Automatic
	Controller / Mosfets	60/48V 55A Dedicated controller
Range	Claimed Range	90 km/charge
Charging	Charging At Home/ Charging Station	Yes
	Suspension Front/ Rear	Hydraulic Shock Absorber
	Brakes Front	No
	Brakes Rear	Disc
	Tyre Size	Front : -90/100-10, Rear : -90/100-10
Underpinnings	Wheel Size	Front : -254 mm,Rear : -254 mm
	Wheels Type	Alloy
	Tubeless Tyre	Tubeless
	Reverse Gear Range	5 KM/H
	Gradabililty	15°

## LYREBIRD E-SCOOTY



**PRIME**

### TECHNICAL SPECIFICATION

Engine and Transmission	Starting Ignition Instrument Console Anti Theft Alarm/Keyless Speedometer/ Tripmeter /Odomete	Self Start Only Keyless Digital Yes
Features and Safety	Seat Type Clock/Carry hook Passenger Backrest/Footrest Underseat storage/Charging Point Pass Switch/USB Charger 3 Gear Adjustment Remote System/Parking Mode	Digital Single Yes Yes Yes Yes
Chassis and Suspension	Body Type Length/Width/Height Ground Clearance	Yes Yes Yes
Dimensions and	Kerb Weight Additional Storage MAX Load /KG	Electric Bikes 1830 X 710 X 1500 mm 190 mm 65 kg Yes 250KG
Electricals	Headlight/Tail Light Turn Signal Lamp/LED Tail Low Battery Indicator Motor Type Motor Power Drive Type	Double Light LED LED Yes BLDC 1000W/ 10 inch Hub Motor
Motor & Battery	Battery Type Battery Capacity Transmission Controller / Mosfets	Lithium -ion/ Lead Acid 48/60V Automatic 60/48V 55A Dedicated controller
Range Charging	Claimed Range At Home / Charging Station Suspension Front/ Rear	90 km/charge Yes Hydraulic Shock Absorber
Underpinnings	Brakes Front Brakes Rear Tyre Size Wheel Size Wheels Type Tubeless Tyre Reverse Gear Range Gradability	No Disc Front : -90/100-10, Rear : -90/100-10 Front : -254 mm,Rear :-254 mm Alloy Tubeless 5 KM/H 15°

## LYREBIRD E-SCOOTY



**JET**

## TECHNICAL SPECIFICATION

<b>Engine &amp; Transmission</b>	Starting	Self Start Only
	Anti Theft Alarm	Yes
	Chassis	High Strength Tubular Frame
<b>Features</b>	Suspension	Front-Hydraulic Telescopic
	Speedometer/Odometer	Rear-Double Shocker with Dual Tube
	Wheel	Digital
	Underseat Storage/Charging Point	Alloy
<b>Dimensions &amp; Capacity</b>	USB Charger	Yes
	Body Type	Electric Bike
	Length/Width/Height	1730x700x1090 mm
	Ground Clearance	154 mm
	Kerb Weight	85 Kg
<b>Electricals</b>	Load Capacity/KG	150 Kg
	Low Battery Indicator	Yes
	Motor Type	BLDC (Waterproof)
<b>Motor &amp; Battery</b>	Motor Power	250 Watt
	Charger/Time	Micro Charger/5-8 hrs
	Battery Type	Lithium-ion/Lead
	Battery Capacity	48V/28Ah
<b>Charging</b>	Controller	E-ABS
	Speed	25 kmph
	Charging at Home	Yes
<b>Underpinnings</b>	Brakes	Yes-Front-Disc, Rear-Drum
	<b>ABS</b>	<b>Yes</b>
	Tyre Size	90x100x10
	Tubeless Tyre	Tubeless (Front/Rear)
	Colour	Red, Yellow, White, Black, Grey
<b>Other Information</b>	Gradient	3-4 Optional
	Battery Warranty	15 Degree
	Motor Warranty	1 Year Lead/3 Year Li-ion
	Key Features	24 Months
		Parking Mode, Reverse Mode, Keyless
		Entry Find My Scooter Function

## LYREBIRD E-SCOOTY



## JET PRO

## TECHNICAL SPECIFICATION

### Engine and Transmission

Starting

Self Start Only

Ignition

Keyless

Instrument Console

Digital

Anti Theft Alarm/Keyless Ignition

Yes

Speedometer/Tripmeter/Odometer

Digital

Seat Type

Single

Clock/Carry hook

Yes

### Features and Safety

Passenger Backrest/Footrest

Yes

Underseat storage/Charging Point

Yes

Pass Switch/USB Charger

Yes

3 Gear Adjustment

Yes

Remote System/Parking Mode

Yes

Reverse Gear

Yes

### Chassis and Suspension

Body Type

Electric Bikes

Width

710 mm

Length

1760 mm

Height

1500 mm

### Dimensions and Capacity

Ground Clearance

190 mm

Kerb Weight

65 kg

Additional Storage

Yes

MAX Load /KG

250KG

Headlight/Tail Light

LED

### Electricals

Turn Signal Lamp/LED Tail

LED

Low Battery Indicator

Yes

Motor Type

BLDC

Motor Power

1000W/ 10 inch

Drive Type

Hub Motor

### Motor & Battery

Battery Type

Lithium-ion/ Lead Acid

Battery Capacity

48/60V

Transmission

Automatic

Controller / Mosfets

60/48V 55A Dedicated controller

### Range

Claimed Range

90 km/charge

### Charging

Charging At Home

Yes

## LYREBIRD E-SCOOTY



## SUPER

### TECHNICAL SPECIFICATION

<b>Engine &amp; Transmission</b>	Starting	Self Start Only
	Anti Theft Alarm	Yes
<b>Features</b>	Chassis	High Strength Tubular Frame
	Suspension	Front-Hydraulic Telescopic
	Speedometer/Odometer	Rear-Double Shocker with Dual Tube
	Wheel	Alloy
	Underseat Storage/Charging Point	Yes
<b>Dimensions &amp; Capacity</b>	USB Charger	Yes
	Body Type	Electric Bike
	Length/Width/Height	1855x740x1070 mm
	Ground Clearance	184 mm
	Kerb Weight	88 Kg
<b>Electricals</b>	Load Capacity/KG	150 Kg
	Low Battery Indicator	Yes
<b>Motor &amp; Battery</b>	Motor Type	BLDC (Waterproof)
	Motor Power	250 Watt
	Charger/Time	Micro Charger/5-8 hrs
	Battery Type	Lithium-ion/Lead
	Battery Capacity	48V/28Ah
<b>Charging</b>	Controller	E-ABS
	Speed	25 kmph
	Charging at Home	Yes
<b>Underpinnings</b>	Brakes	Yes-Front-Disc, Rear-Drum
	<b>ABS</b>	<b>Yes</b>
	Tyre Size	90x100x10
	Tubeless Tyre	Tubeless (Front/Rear)
	Colour	Red, Yellow, White, Black, Grey
<b>Other Information</b>	Gradient	3-4 Optional
	Battery Warranty	15 Degree
	Motor Warranty	1 Year Lead/3 Year Li-ion
	Key Features	24 Months
		Parking Mode, Reverse Mode, Keyless
		Entry Find My Scooter Function

## LYREBIRD E-SCOOTY



### RAPID ONE

## TECHNICAL SPECIFICATION

<b>Engine &amp; Transmission</b>	Starting	Self Start Only
	Anti Theft Alarm	Yes
<b>Features</b>	Chassis	High Strength Tubular Frame
	Suspension	Front-Hydraulic Telescopic
	Speedometer/Odometer	Rear-Double Shocker with Dual Tube
	Wheel	Alloy
	Underseat Storage/Charging Point	Yes
<b>Dimensions &amp; Capacity</b>	USB Charger	Yes
	Body Type	Electric Bike
	Length/Width/Height	1830x700x1090 mm
	Ground Clearance	184 mm
	Kerb Weight	80 Kg
<b>Electricals</b>	Load Capacity/KG	140 Kg
	Low Battery Indicator	Yes
	Motor Type	BLDC (Waterproof)
<b>Motor &amp; Battery</b>	Motor Power	250 Watt
	Charger/Time	Micro Charger/5-8 hrs
	Battery Type	Lithium-ion/Lead
	Battery Capacity	48V/28Ah
<b>Charging</b>	Controller	E-ABS
	Speed	25 kmph
	Charging at Home	Yes
<b>Underpinnings</b>	Brakes	Yes-Front-Disc, Rear-Drum
	<b>ABS</b>	<b>Yes</b>
	Tyre Size	90x100x10
	Tubeless Tyre	Tubeless (Front/Rear)
	Colour	Red, Yellow, White, Black, Grey
<b>Other Information</b>	Gradient	3-4 Optional
	Battery Warranty	15 Degree
	Motor Warranty	1 Year Lead/3 Year Li-ion
	Key Features	24 Months
		Parking Mode, Reverse Mode, Keyless

## LYREBIRD E-SCOOTY



## RAPID PLUS



### TECHNICAL SPECIFICATION

<b>Engine &amp; Transmission</b>	Starting Anti Theft Alarm	Self Start Only Yes
<b>Features</b>	Chassis Suspension Speedometer/Odometer Wheel Underseat Storage/Charging Point	High Strength Tubular Frame Front-Hydraulic Telescopic Rear-Double Shocker with Dual Tube,Digital Alloy Yes
<b>Dimensions &amp; Capacity</b>	USB Charger Body Type Length/Width/Height Ground Clearance Kerb Weight	Yes Electric Bike 1830x720x1080 mm 155 mm 98 Kg
<b>Electricals</b>	Load Capacity/KG Low Battery Indicator Motor Type	150 Kg Yes BLDC (Waterproof)
<b>Motor &amp; Battery</b>	Motor Power Charger/Time Battery Type Battery Capacity	250 Watt Micro Charger/5-8 hrs Lithium-ion/Lead 48V/28Ah
<b>Charging</b>	Controller Speed Charging at Home	E-ABS 25 kmph Yes
<b>Underpinnings</b>	Brakes <b>ABS</b> Tyre Size Tubeless Tyre Colour	Yes-Front-Disc, Rear-Drum <b>Yes</b> 90x100x10 Tubeless (Front/Rear) Red, Yellow, White, Black, Grey
<b>Other Information</b>	Gradient Battery Warranty Motor Warranty Key Features	3-4 Optional 15 Degree 1 Year Lead/3 Year Li-ion 24 Months Parking Mode, Reverse Mode, Keyless Entry Find My Scooter Function

## LYREBIRD E-SCOOTY



**JET PRO MAX**



## TECHNICAL SPECIFICATION

72V HD Motor and Controller  
Front & Rear Hydraulic Disc  
Brakes  
Longest Seat  
Biggest Boot Space  
12"Wheel  
Tubeless Tyres  
Keyless Start  
Wheel Lock Anti Theft  
protection

## LYREBIRD E-SCOOTY



## LOADER 100 K

### TECHNICAL SPECIFICATION

<b>Engine &amp; Transmission</b>	Starting	Self Start Only
	Anti Theft Alarm	Yes
<b>Features</b>	Chassis	High Strength Tubular Frame
	Suspension	Front-Hydraulic Telescopic
	Speedometer/Odometer	Rear-Double Shocker with Dual Tube
	Wheel	Digital
	Underseat Storage/Charging Point	Alloy
<b>Dimensions &amp; Capacity</b>	USB Charger	Yes
	Body Type	Yes
	Length/Width/Height	Electric Bike
	Ground Clearance	1830x700x1090 mm
	Kerb Weight	185 mm
<b>Electricals</b>	Load Capacity/KG	90 Kg
	Low Battery Indicator	150 Kg
	Motor Type	Yes
<b>Motor &amp; Battery</b>	Motor Power	BLDC (Waterproof)
	Charger/Time	250 Watt
	Battery Type	Micro Charger/5-8 hrs
	Battery Capacity	Lithium-ion/Lead
<b>Charging</b>	Controller	48V/28Ah
	Speed	E-ABS
	Charging at Home	25 kmph
<b>Underpinnings</b>	Brakes	Yes
	ABS	Front-Disc, Rear-Drum
	Tyre Size	Yes
	Tubeless Tyre	90x100x10
	Colour	Tubeless (Front/Rear)
<b>Other Information</b>	Gradient	3-4 Optional
	Battery Warranty	15 Degree
	Motor Warranty	1 Year Lead/3 Year Li-ion
	Key FeatureS	24 Months
		Parking Mode, Reverse Mode, Keyless
		Entry Find My Scooter Functions

# INTRODUCING RTO SCOOTER IN THE MARKET



**LyreBird™**  
ELECTRO INDIA

own electric scooter dealership & distribution in your city

High Speed (ZL3) RTO Model  
72V/30AH | Max Speed: 45kmh  
Average: 130km/charge  
Motor: 1000W | Tyre:10"  
Brake: Front & rear Disk

reliably yours

[www.lyrebirdindia.com](http://www.lyrebirdindia.com) [info@lyrebirdindia.com](mailto:info@lyrebirdindia.com)



**LyreBird™**  
ELECTRO INDIA

own electric scooter dealership & distribution in your city

High Speed (SL) RTO Model  
72V/30AH | Max Speed: 45kmh  
Average: 130km/charge  
Motor: 1000W | Tyre:10"  
Brake: Front & rear Disk

reliably yours

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72V/30AH | Max Speed: 45kmh  
Average: 130km/charge  
Motor: 1000W | Tyre:10"  
Brake: Front & rear Disk

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**LyreBird™**  
ELECTRO INDIA

own electric scooter dealership & distribution in your city

High Speed (ZS) RTO Model  
72V/30AH | Max Speed: 45kmh  
Average: 130km/charge  
Motor: 1000W | Tyre:10"  
Brake: Front & rear Disk

reliably yours

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# LYREBIRD AUTOMOBILES E-SCOOTY



# LYREBIRD AUTOMOBILES E-SCOOTY



SMART ELECTRIC  
VEHICLE

**NO**  
Registration Fee





# LYREBIRD ELECTRO INDIA

**E-BIKE PRESENTATION**

## LYREBIRD E-BIKE



## Technical Specification

Model:	<b>JF</b>
Start:	Keyless Start
Lock :	Canter Locking
Alarm :	Anti Theft
Headlight :	Projector Headlight
Driving Modes:	Drive, Sports, Parking, Reverse
Front Brake:	Double Disc with CBS system
Brake :	Hydraulic Braking System
Suspension :	Hydraulic Telescopic Suspension with
Mono	Shocker
Tyre :	Tubeless Tyres
Wheel Rim:	Stylish Alloy
Speedo Meter:	Digital Display

## LYREBIRD E-BIKE



## Technical Specification

<b>Model:</b>	<b>V6</b>
<b>Start:</b>	Keyless Start
<b>Lock:</b>	Canter Locking
<b>Alarm:</b>	Anti Theft
<b>Headlight:</b>	Projector Headlight
<b>Driving Modes:</b>	Drive, Sports, Parking, Reverse
<b>Front Brake:</b>	Double Disc with CBS system
<b>Brake:</b>	Hydraulic Braking System
<b>Suspension:</b>	Hydraulic Telescopic Suspension with Mono Shocker
<b>Tyre:</b>	Tubeless Tyres
<b>Wheel Rim:</b>	Stylish Alloy
<b>Speedo Meter:</b>	Digital Display

## LYREBIRD E-BIKE



## Technical Specification

Model:	<b>DMS</b>
Start:	Keyless Start
Lock:	Canter Locking
Alarm :	Anti Theft
Headlight :	Projector Headlight
Driving Modes:	Drive, Sports, Parking, Reverse
Front Brake:	Double Disc with CBS system
Brake :	Hydraulic Braking System
Suspension :	Hydraulic Telescopic Suspension with
Mono	Shocker
Tyre :	Tubeless Tyres
Wheel Rim:	Stylish Alloy
Speedo Meter:	Digital Display

## LYREBIRD E-BIKE



## Technical Specification

Model:	<b>A1-4</b>
Start:	Keyless Start
Lock:	Canter Locking
Alarm :	Anti Theft
Headlight :	Projector Headlight
Driving Modes:	Drive, Sports, Parking, Reverse
Front Brake:	Double Disc with CBS system
Brake :	Hydraulic Braking System
Suspension :	Hydraulic Telescopic Suspension with Mono Shocker
Tyre :	Tubeless Tyres
Wheel Rim:	Stylish Alloy
Speedo Meter:	Digital Display





# LYREBIRD ELECTRO INDIA

**E-RICKSHAW/AUTO PRESENTATION**

## LYREBIRD E-RICKSHAW



### Product Specification & features

	LYREBIRD Bolt	LYREBIRD BOLT+	LYREBIRD Bolt Pro
Stylish cushion seat		ü	ü
Stylish Bumper & Front Panel		ü	ü
Brighter Headlight		ü	ü
Realistic graphics		ü	ü
High relaxable cushion seat		HITLON/BONDED	HITLON/BONDED
Armrest	ü	ü	ü
Rear shock absorber		ü	ü
Security			
Hand gripper	ü	ü	ü
Handle locking	ü	ü	ü
Safety			
Front Brake sensor		ü	ü
Hand Brake system		ü	ü
Rear brake sensor		ü	ü
TRANSMISSION :			
Wheel Drive	Rear Wheel Drive	Rear Wheel Drive	Rear Wheel Drive
Transmission	Differential	Differential	Differential
Gear ratio	0.417361111	0.417361111	0.417361111
BATTERY CAPACITY :			
Battery Connection		4 battery in Series	4 battery in Series
PERFORMANCE :			
Runing Distance	90 -100km/charge	90 -100km/ charge	90 -100km/ charge
Turning Circle diameter		2.8m	2.8m
CHASSIS :			
Suspension	Leaf Spring & Rear Shocker	Leaf Spring & Rear Shocker	Leaf Spring & Rear Shocker
Braking System	Front & Rear Rods	Front & Rear Rods	Front & Rear Rods
Front Brake Dia	130mm	130mm	130mm
Rear Brake Dia	160mm	160mm	160mm
Steering System	Steering Handle	Steering Handle	Steering Handle
Wheels /RIM*	2.15X12"(MS RIM)	2.15X12"(MS RIM)	2.15X12"(MS RIM)
Tyre	Tube Type 3.75x12"	Tube Type 3.75x12"	Tube Type 3.75x12"
OUTER DIMENSION :			
Length	2760mm	2760mm	2760mm
Width	940mm	940mm	940mm
Hight	1770mm	1770mm	1770mm
Wheel Base	2125mm	2125mm	2125mm
Ground clearance from chassis		180mm	180mm

## LYREBIRD E-RICKSHAW



### Product Specification & features

	LYREBIRD Bolt	LYREBIRD BOLT+	LYREBIRD Bolt Pro
Seating Capacity :	-----	4 Passenger +	40Kg-----
WEIGHT :			
Vehicle Kerb Weight	-----	380 Kg-----	-----
Vehicle Gross Weight	-----	720 Kg-----	-----
MOTOR DETAILS :			
Motor Type	-----	BLDC-----	-----
Motor Characteristic	-----	48V1000W/3200RPM-----	-----
Water Ingress	-----	IP 65-----	-----
Colling Type	-----	Air Cool with Fan-----	-----
CONTROLLER DETAILS :			
Controller Features	-----	Overload Protection	-----
Reating	50Amp	50Amp	50Amp
No. of Mosfets	24	24	24
Rating Volt	48V	48V	48V
Water Ingress	IP 65	IP 65	IP 65
Cooling Type	Heat Sink	Heat Sink	Heat Sink
FEATURES			
Stepeny cover	Y	Y	Y
Front Glass	Y	Y	Y
Central Locking	Y	Y	Y
Tool kit	Y	Y	Y
FM radio	Y	Y	Y
Mp3	Y	Y	Y
Rear bumper	Y	Y	Y
Fire extinguisher	Y	Y	Y
Breake Chargable System	Y	Y	Y
Front & Rear mud flap	Y	Y	Y
Driver & Passenger Foot mat	Y	Y	Y
Curtains	Y	Y	Y
Led With Rear Camera	Y	Y	Y
Mobile Holder	Y	Y	Y
Front & Rear light mesh	Y	Y	Y
Alloy Wheel	Y	Y	Y
SS Frames	Optional	Optional	Optional
LED Screen & Camera	Optional	Optional	Optional

## LYREBIRD E-RICKSHAW



### Product Specification & Features

Seating Capacity :	1 Driver
WEIGHT :	
Vehicle Kerb Weight	380 Kg
Vehicle Gross Weight	720 Kg
MOTOR DETAILS :	
Motor Type	BLDC
Motor Characteristic	48V1000W/3200RPM
Water Ingress	IP 65
Cooling Type	Air Cool with Fan
CONTROLLER DETAILS :	
Controller Features	Overload Protection
Rating	50Amp
No. of Mosfets	24
Rating Volt	48V
Water Ingress	IP 65
Cooling Type	Heat Sink
FEATURES	
Front Glass	Y
Central Locking	Y
Tool kit	Y
FM radio	Y
Mp3	Y
Rear bumper	Y
Fire extinguisher	Y
Break Chargeable System	Y
Front & Rear mud flap	Y
Alloy Wheel	Y
SS Frames	Optional
LED Screen & Camera	Optional

## LYREBIRD E-RICKSHAW



## Product Specification & Features

MODEL	<b>LYREBIRD ZORAWAR</b>	MILEAGE		
MODEL VAREINT	BASE	A. WITH LEAD ACID 130 AMPERE		110 KM
BODY TYPE	FOR DOOR TO DOOR COLT.	B. WITH LITHIUM ION 100 AMPERE		80-85 KMS
COLOUR OPTION	WHITE,SKY BLUE,Green	SPEED	25 KMS	
MAKE	SWARAN AUTO	VEHICLE DIMENSION	In MM	In Feets
WARRANTY	12 MONTHS	LENGTH	2800	9.19
		WIDHT	1000	3.28
FRONT TYPE	WINDSHIELD	HEIGHT	1800	5.91
POWERTRAIN	LOAD BODY MAKE & DIMENSION			
MOTOR	48V 1200 W	BODY MATERIAL	MILD STEEL	
CONTROLLER	48 VOLTS 60 AMPS	LENGTH	1414	4.6391
		WIDHT	1010	3.313
SUSPENSION		HEIGHT	880	
FRONT SUSPENION	TELESCOPIC HYDRUALIC SHOCKER			
REAR SUSPENSION	LEAF SPRING WITH HYDRUALIC SHOCKERS			
		VEHICLE FEATURES		
BREAKING SYSTEM		WIPER MOTOR		
FRONY BREAKING SYSTEM	DRUM TYPE	MUSIC SYSTEM		
REAR BREAKING SYSTEM	DRUM TYPE	INTELLEGANT CONTROLLER		
		REVERSE OPTION		
DRIVETRAIN		CENTRAL LOCKING		
GEAR TYPE	MOBILE APP WITH LITHIUM ION			
TYRE SIZE	AUTOMATIC	GPS(OPTIONAL)		
	3.75*12	TOOL KIT		
		FIRST AID BOX		
FUEL TYPE AND OPTIONS				
FUEL TYPE	ELECTRIC			
BATTERY OPTIONS	LEAD ACID 12VX4 NOS 130 AH			LITHIUM 48V 100 AH
LOAD CAPACITY	650 KG			

## LYREBIRD E-AUTO



**E AUTO (PASSENGER)-WITH LITHIUM BATTERY**

### Product Specification & Features

CATEGORY	L 3
MOTOR TYPE	DC
MOTOR POWER	48 V
CONTROLLER	24 TUBES
BATTERY TYPE (LITHIUM ION)	48 V/ 80 AH OR 48 V/ 100 AH
CHARGING VOLTAGE	220 V 50 HZ
CHARGING TIME	3 - 4 HRS
MILAGE	80 -90 KM / CHARGE
TOP SPEED	23 KM / HRS
SEATING CAPACITY	4 + 1
TYRE SIZE	4.00 -8,6PR
TYRE PRESSURE (FRONT)	2.1 KG/SQ.cm(30 PSI)
TYRE PRESSURE (REAR)	2.4 KG/SQ.cm(34 PSI )
DRIVE	REAR WHEEL
BRAKES	HYDRAULIC EXPANDING SHOE TYPE FOR ALL THREE WHEELS
SUSPENSIONS (FRONT)	CONSTANT RATE COIL SPRING & DOUBLE ACTING HYDRAULIC SHOCK ABSORBER
SUSPENSIONS (REAR)	INDEPENDENTLY SPRING WHEELS BY TRAILING ARMS WITH HELICAL SPRINGS AND HYDRAULIC SHOCK ABSORBER
ELECTRIC SYSTEM	12V DC
HEAD LAMP	SINGLE 35W
HORN	12V DC
DIMENSIONS	2800X990X1720mm

## LYREBIRD E-AUTO



**E AUTO (PASSENGER)-WITH LEAD ACID BATTERY**

### Product Specification & Features

CATEGORY	L 3
MOTOR TYPE	DC
MOTOR POWER	48 V / 1000 W
CONTROLLER	24 TUBES
BATTERY TYPE (LITHIUM ION)	48 V/ 80 AH OR 48 V/ 100 AH
CHARGING VOLTAGE	220 V 50 HZ
CHARGING TIME	3 - 4 HRS
MILAGE	80 -90 KM / CHARGE
TOP SPEED	23 KM / HRS
SEATING CAPACITY	4 + 1
TYRE SIZE	4.00 -8,6PR
TYRE PRESSURE (FRONT)	2.1 KG/SQ.cm(30 PSI)
TYRE PRESSURE (REAR)	2.4 KG/SQ.cm(34 PSI )
DRIVE	REAR WHEEL
BRAKES	HYDRAULIC EXPANDING SHOE TYPE FOR ALL THREE WHEELS
SUSPENSIONS (FRONT)	CONSTANT RATE COIL SPRING & DOUBLE ACTING HYDRAULIC SHOCK ABSORBER
SUSPENSIONS (REAR)	INDEPENDENTLY SPRING WHEELS BY TRAILING ARMS WITH HELICAL SPRINGS AND HYDRAULIC SHOCK ABSORBER
ELECTRIC SYSTEM	12V DC
HEAD LAMP	SINGLE 35W
HORN	12V DC
DIMENSIONS	2800X990X1720mm

## LYREBIRD E-AUTO



### E CART LOADER WITH LITHIUM BATTERY

## Product Specification & Features

CATEGORY	L 3
MOTOR TYPE	DC
MOTOR POWER	48 V
CONTROLLER	24 TUBES
BATTERY TYPE (LITHIUM ION)	48 V/ 80 AH OR 48 V/ 100 AH
CHARGING VOLTAGE	220 V 50 HZ
CHARGING TIME	3 - 4 HRS
MILAGE	80 -90 KM / CHARGE
TOP SPEED	23 KM / HRS
SEATING CAPACITY	4 + 1
TYRE SIZE	4.00 -8,6PR
TYRE PRESSURE (FRONT)	2.1 KG/SQ.cm(30 PSI)
TYRE PRESSURE (REAR)	2.4 KG/SQ.cm(34 PSI )
DRIVE	REAR WHEEL
BRAKES	HYDRAULIC EXPANDING SHOE TYPE FOR ALL THREE WHEELS
SUSPENSIONS (FRONT)	CONSTANT RATE COIL SPRING & DOUBLE ACTING HYDRAULIC SHOCK ABSORBER
SUSPENSIONS (REAR)	INDEPENDENTLY SPRING WHEELS BY TRAILING ARMS WITH HELICAL SPRINGS AND HYDRAULIC SHOCK ABSORBER
ELECTRIC SYSTEM	12V DC
HEAD LAMP	SINGLE 35W
HORN	12V DC
DIMENSIONS	2800X990X1720mm

## LYREBIRD E-AUTO



### E CART LOADER WITH LEAD ACID BATTERY

### Product Specification & Features

CATEGORY	L 3
MOTOR TYPE	DC
MOTOR POWER	48 V / 1000 W
CONTROLLER	24 TUBES
BATTERY TYPE (LITHIUM ION)	48 V/ 80 AH OR 48 V/ 100 AH
CHARGING VOLTAGE	220 V 50 HZ
CHARGING TIME	3 - 4 HRS
MILAGE	80 -90 KM / CHARGE
TOP SPEED	23 KM / HRS
SEATING CAPACITY	4 + 1
TYRE SIZE	4.00 -8,6PR
TYRE PRESSURE (FRONT)	2.1 KG/SQ.cm(30 PSI)
TYRE PRESSURE (REAR)	2.4 KG/SQ.cm(34 PSI )
DRIVE	REAR WHEEL
BRAKES	HYDRAULIC EXPANDING SHOE TYPE FOR ALL THREE WHEELS
SUSPENSIONS (FRONT)	CONSTANT RATE COIL SPRING & DOUBLE ACTING HYDRAULIC SHOCK ABSORBER
SUSPENSIONS (REAR)	INDEPENDENTLY SPRING WHEELS BY TRAILING ARMS WITH HELICAL SPRINGS AND HYDRAULIC SHOCK ABSORBER
ELECTRIC SYSTEM	12V DC
HEAD LAMP	SINGLE 35W
HORN	12V DC
DIMENSIONS	2800X990X1720mm



# LYREBIRD ELECTRO INDIA

**EV CHARGING PRESENTATION**

## What is EV Charging Station?

A charging station, also called an EV charger, electric vehicle supply equipment (EVSE) or simply charger is a piece of equipment that supplies electrical power for charging plug-in electric vehicles (including hybrids, neighbourhood electric vehicles, trucks, buses, and others). Although batteries can only be charged with DC power, most electric vehicles have an on board AC-to-DC converter that allows them to be plugged into a standard household AC electrical receptacle. Inexpensive low-power public charging stations will also provide AC power, known as **"AC charging stations"** .

To facilitate higher power charging, which requires much larger AC-to-DC converters, the converter is built into the charging station instead of the vehicle and the station supplies already-converted DC power directly to the vehicle, bypassing the vehicle's on board converter. These are known as "DC charging stations". Most fully electric car models can accept both AC and DC power. Charging stations provide connectors that conform to a variety of standards. DC charging stations are commonly equipped with multiple connectors to be able to supply a wide variety of vehicles. Public charging stations are typically found street-side or at retail shopping centres, government facilities, and other parking areas.

## **POWER GREEN DC FAST CHARGER 60 KW Charging Station**



### **FEATURES**

- Powerful Compact All-In-One DC Charger
- Simple Air-Cooled Power Modules
- Easy to Maintain
- Parallel Charging Feature
- Available in 500VDC and 1000VDC
- OCPP 1.6J
- Credit Card Reader
- Cord Management

# POWER GREEN DC FAST CHARGER 60 KW Charging Station



## Product Specification

Product Number	TP3-60-480	TP5-60-480
Input	480VAC (3P+N+PE)    60Hz	
Output Voltage	150-500VDC	150-1000VDC
Output current	0 to 150A	
FLA    Breaker Rating	80A    100A	
Connectors	CCS1 CCS1 and CCS1 CCS1 and CHAdeMO	
Cyclic Charge Mode	CCS1 - 150A    CHAdeMO - 125A	
Parallel Charge Mode (Optional)	30 kW per Port	
Efficiency	≥ 94% at normal output power	
Power factor	> 0.98	
Display	10" touch screen	
Access Control	RFID : ISO/IEC 14443A/B   Credit Card Reader (Optional)	
Metering	DC kWh meter per each connector	
Operating temperature	-22°F to 131 °F (-30°C to 55°C)	
Altitude	6500' (2000m)	
Working    Storage Humidity	-condensing)	
Dimensions (L x D x H)	29" x 19" x 72"	
Protective Class	NEMA 3S (IP54), IK10	
Cooling system	Air cooling fans	
Weight	530 lbs (240kgs)	
Compliance	UL and CE Certified	
DC Charge System	Mode 4 - IEC-61851, ISO-15118, DIN 70121 Mode 4 -	
CHAdeMO	0.9, 1.0	
Charging cable	16ft (5m), Cable Retractor Included	
Communication    Protocol	Ethernet , 4G/WiFi    OCPP 1.6J	
Electrical Safety: GFCI	RCD 20 mA Type A	
Electrical Safety: Surge Protection	20 kA	
Electrical Safety General	Over Voltage, Under Voltage, Over Current, Missing Ground	
Electrical Safety: Output Short	Output power disabled when output is short circuited	
Electrical Safety Temperature	Temperature Sensors @ Charge Coupler and Power Electronics	
Emergency Stop	Emergency Stop Button Disables Output Power	
Regulatory Compliance	UL-2202    EMC: EN 61000 -6-1:2007, EN 61000-6-	
3:2007/A1:2011/AC:2012		

## **POWER GREEN DC FAST CHARGER 30 KW Wall Mount DC Fast Charging Station**



### **FEATURES**

Small Compact DC Fast Charger  
Configurable output power settings  
RFID Reader  
OCPP 1.6J Compliant

### **Safety:**

Over Voltage,  
Under Voltage,  
Over Current,  
Missing Ground,  
Leakage Current,  
Temperature Sensors,  
Emergency Stop  
UL Certified

## **POWER GREEN DC FAST CHARGER 30 KW Wall Mount DC Fast Charging Station**

### **Product Specification**



Product #	TP5-30-480
Input	480VAC (3P+N+PE)
Frequency	60Hz
Output Voltage	150 to 1000VDC
Output Current	0 to 100A
Connector(s)	CCS1 or CHAdeMO
Efficiency	≥94% at nominal output power
Power Factor	> 0.98
Operating Temperature	22°F to 131°F (-30°C to 55°C)
Working    Storage humidity	≤ 95% RH    ≤ 99% RH (Non-condensing)
Altitude	< 6600ft (2000m)
Display	7" LCD with touch screen
RFID system	ISO    IEC 14443A/B
Dimensions (l x d x h)	21" x 12" x 27"
Protective Class	NEMA 3S, IK 10
Cooling System	Air cooled
Weight	176 lbs (80kg)
Charging Protocol	Mode 4, IEC-61851, ISO-15118, DIN SPEC 70121 Mode 4, CHAdeMO 0.9, 1.0
Length of charging cable	16ft (5m)
Interface protocol	OCPP 1.6J
Communication	Ethernet / 4G Wi-Fi
Electrical Safety: GFCI	RCD 20 mA Type A (UL)
Electrical Safety: Surge Protection	20 kA
Electrical Safety General	Over Voltage, Under Voltage, Over Current, Missing Ground
Electrical Safety: Output Short	Output power disabled when output is short circuited
Electrical Safety Temperature	Temperature Sensors @ Charge Coupler and Power Electronics
Emergency Stop	Emergency Stop Button Disables Output Power
Regulatory Compliance	UL-2202    EMC: EN 61000-6-1:2007, EN 61000-6-3:2007/A1:2011/AC:2012



**THANKYOU**

LYREBIRD ELECTRO INDIA

[www.lyrebirdindia.com](http://www.lyrebirdindia.com)