



E5-FY



LCD Display



Parking Button



Cruise Control



Disk Brake



Remote Lock



Smart Charger

The FY motorbike is typically small in size, making it suitable for college students on a budget, while combining performance and safety for an enjoyable riding experience when paired with a family utility vehicle. It can travel up to 120 kilometers on a single charge, at a speed of 45 km/h.

The bike integrates international standards with BLDC electric motors, a battery system, and drivetrain. Like conventional petrol bikes, it falls under the **L1 category** and can be registered at any Regional Transport Office (RTO) in India.

It is available with three types of batteries: Lithium Iron Phosphate (LFP), Li-Ion NMC.


 3 Ride Modes
Eco / City / Sport

 Customised
Battery

 Water Resist
Motor

 Anti Theft
Alarm

 Connected Bike
Technology

 NMC &
LiFePo₄

 Parking Assist
Flash

 Regenerative
Braking

 Side Stand
Sensor

 Comfort
Riding &
Large Leg
Space

 Noise
Free
Vehicle

 Mobile
Charging
USB Port

 Electronic
Control
Unit (ECU)

 Telescopic
Shocker

SPECIFICATION - E5-FY

Vehicle Details	
Motor Power	3.2 kw at 326 min-1
Motor Voltage	72V
Controller	24-tube
Rated Torque	89.0 Nm
Energy Consumption	35Wh/km
Motor rpm	1200
Climbing Slope	26°/1 person 70kg
Max Speed (km/h)	80 km/hr
Meter Type	LCD
Brake System (front/rear)	Both CBS disc
Shock Absorber (front/rear)	Hydraulic
Tyre Size(F/R)	Front : 90/90-12 54 J Rear : 90/90-12 54 J
Tyre Recommended Pressure	Front : 225 kPa Rear : 250 kPa
Product Dimension (L×W×H)	1810*755*1012 mm
Wheelbase & Rim size	1370 mm
Mass in Running Order	86 kg
Actual Mass	170 kg
Technically Permissible Maximum Laden Mass	245 kg
Technically Permissible Maximum Mass on Front Axle	77 kg
Technically Permissible Maximum Mass on Rear Axle	168 kg
Frame Steel	Alloy

Battery Details		
charging Time	3-4 hours	
Charger Ratings	Input Voltage: 220 V AC, Frequency: 50Hz & Current rating 10 Amps	
Battery Types		
Li-Ion NMC Battery	Li-Ion NMC Battery	Li-Ion LFP Battery
72.5 V 60 Ah battery with Charger - 20 Amps	72.5 V 41.6 Ah battery with Charger - 10 Amps	73.6 V 100 Ah battery with Charger - 20 Amps
Battery Life		
1000 Charging cycles	1000 Charging cycles	2000 Charging cycles
Mileage Range [#]		
90-130 Km	57-70 Km	180-220 Km
[#]mileage of electric vehicles depends on various factors, including loading weight, road conditions, vehicle speed, model type, and driving habits. Mileage is calculated for each model when fully charged and operated under standard conditions. Consequently, actual mileage may vary based on different circumstances and conditions over time.		

WARRANTY DETAILS

Motor	1 Year (Warranty coverage can include either replacement or fault rectification service, depending on suitability and severity).
Controller	1 Year (Warranty coverage can include either replacement or fault rectification service, depending on suitability and severity).
Converter	1 Year (Warranty coverage can include either replacement or fault rectification service, depending on suitability and severity).
Charger	1 Year (Warranty coverage can include either replacement or fault rectification service, depending on suitability and severity).
Battery Warranty Conditions	
LFP battery	3 Years Warranty (1-year replacement and 2-years of service care is covered) or 5 Years Warranty (with \$Additional Cost) (2-year replacement and 3-years of service care is covered)
NMC battery	3 Years Warranty (1-year replacement and 2-years of service care is covered)