



HIGH SPEED

PRODUCT SPECIFICATION

S1 80

S1

S1 200

S1 240

PERFORMANCE

<u>Peak Current</u>	32±1A	35±1A	35±1A	32±1A
<u>Top Speed</u>	53 to 57 KMPH	60 to 65 KMPH	60 to 65 KMPH	53 to 57 KMPH
<u>Acceleration(0 TO 40)</u>	6 to 7 Sec	6 to 7 Sec	6 to 7 Sec	6 to 7 Sec
<u>Gradeability</u>	7°	9°	9°	7°
<u>Riding Modes</u>	Economical (M1) Rider (M2) Speed (M3)	Economical (M1) Rider (M2) Speed (M3)	Economical (M1) Rider (M2) Speed (M3)	Economical (M1) Rider (M2) Speed (M3)

RANGE

<u>Econo Range @<40KMPH</u>	80+ KM	110+ KM	110+ KM	240+ KM
<u>Rider Mode @ 45KMPH</u>	70+ KM	105+ KM	105+ KM	210+ KM
<u>Speed Mode @ > 45 KMPH</u>	60+ KM	80+ KM	80+ KM	190+ KM

MOTOR

<u>Motor Wattage</u>	Typical 1.2 KW Max 1.6 KW	Typical 1.6 KW Max 2.1 KW	Typical 1.6 KW Max 2.1 KW	Typical 1.2 KW Max 1.6 KW
<u>Motor Type</u>	Permanent Magnet Motor	Permanent Magnet Motor	Permanent Magnet Motor	Permanent Magnet Motor
<u>Motor Style</u>	Hub Motor	Hub Motor	Hub Motor	Hub Motor
<u>Ingress Protection Motor</u>	IP66	IP66	IP66	IP66
<u>Ingress Protection Controller</u>	IP65	IP65	IP65	IP65

CHARGING

<u>0 - 50%</u>	2 Hrs	2 Hrs	(2*2) Hrs	(2*2) Hrs
<u>0 - 80%</u>	4 hrs	4 hrs	(4*2) Hrs	(4*2) Hrs
<u>0 - 100%</u>	5 Hrs	5 Hrs	(5*2) Hrs	(5*2) Hrs

WARRANTY * (AS PER STANDARD WARRANTY TERMS)

<u>Battery</u>	3 yrs, 30000KM (Whichever is Earlier)
<u>Vehicle</u>	1 yr, 30000KM (Whichever is Earlier)
<u>Motor</u>	2 Yrs, 30000 KM (Whichever is Earlier)



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BATTERY

<u>Installed Capacity</u>	1.5 KW	2.1 KW	4.2 KW	4.2 KW
<u>Battery Chemistry</u>	Lithium Ion (NMC)	Lithium Ion (NMC)	Lithium Ion (NMC)	Lithium Ion (NMC)
<u>Battery Type</u>	18650 , Cylindrical Cell	18650 , Cylindrical Cell	18650 , Cylindrical Cell	18650 , Cylindrical Cell
<u>Nominal Voltage</u>	60V	60V	60V	60V
<u>Water and Dust Resistant</u>	YES	YES	YES	YES
<u>Pack Casing</u>	Metal	Metal	Metal	Metal
<u>Weight</u>	9.6 Kg	12.6 Kg	12.6 Kg*2	12.6 Kg*2
<u>User Friendly</u>	Swappable , Easy to Carry	Swappable , Easy to Carry	Swappable , Easy to Carry	Swappable , Easy to Carry

TYRES & WHEEL

<u>Wheel Type</u>	10 inch , Alloy wheel	10 inch , Alloy wheel	10 inch , Alloy wheel	10 inch , Alloy wheel
<u>Wheel Size (Front) without tyre</u>	280 mm	280 mm	280 mm	280 mm
<u>Wheel Size (Front) with tyre</u>	410 mm	410 mm	410 mm	410 mm
<u>Wheel Size (Rear) without Tyre</u>	280 mm	280 mm	280 mm	280 mm
<u>Wheel Size (Rear) with Tyre</u>	410 mm	410 mm	410 mm	410 mm
<u>Tyre (Front)</u>	3.0/10	90/100/10	90/100/10	3.0/10
<u>Tyre (Rear)</u>	3.0/10	90/100/10	90/100/10	3.0/10

BRAKES

<u>Braking System</u>	Disc-Drum	Disc-Drum	Disc-Drum	Disc-Drum
<u>Brake Type Front</u>	Disc	Disc	Disc	Disc
<u>Brake Type Rear</u>	Drum	Drum	Drum	Drum
<u>Disc Size Front</u>	180	180	180	180
<u>Drum Size Rear</u>	110	110	110	110
<u>Braking Distance (0-60KMPH)</u>	5 Meter - Max	5 Meter - Max	5 Meter - Max	5 Meter - Max
<u>Combined Braking system</u>	NO	NO	NO	NO
<u>Anti Braking System</u>	Electronic (E-ABS)	Electronic (E-ABS)	Electronic (E-ABS)	Electronic (E-ABS)

SUSPENSION

<u>Front suspension</u>	Telescopic	Telescopic	Telescopic	Telescopic
<u>Rear Suspension</u>	Customizable Spring loaded Telescopic	Customizable Spring loaded Telescopic	Customizable Spring loaded Telescopic	Customizable Spring loaded Telescopic





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CHASSIS

<u>Frame Material</u>	High Tensile , ERW1 Steel Tube	High Tensile , ERW1 Steel Tube	High Tensile , ERW1 Steel Tube	High Tensile , ERW1 Steel Tube
<u>Frame Type</u>	Backbone Frame	Backbone Frame	Backbone Frame	Backbone Frame
<u>Weight</u>	16.5 Kg	19.5 Kg	19.5 Kg	16.5 Kg

LIGHTINGS

<u>Headlights</u>	LED	LED	LED	LED
<u>Taillights</u>	Bulb	Bulb	Bulb	Bulb
<u>Indicators</u>	Bulb	Bulb	Bulb	Bulb
<u>Parking Assists</u>	YES	YES	YES	YES
<u>Brake Switch Motor Cut Off</u>	YES	YES	YES	YES
<u>Boot Space</u>	18 Ltr	18 Ltr	18 Ltr	18 Ltr
<u>Pillion Grab Rail</u>	MS STAINLESS STEEL	MS STAINLESS STEEL	MS STAINLESS STEEL	MS STAINLESS STEEL

DIMENSIONS

<u>Length</u>	1830 mm	1825 mm	1825 mm	1830 mm
<u>Width(M to M)</u>	750 mm	650 mm	650 mm	750 mm
<u>Height (With Mirror)</u>	1330 mm	1180 mm	1180 mm	1330 mm
<u>Wheel Base</u>	1350 mm	1320 mm	1320 mm	1350 mm
<u>Ground Clearance</u>	169 mm	170 mm	170 mm	169 mm
<u>Seat Height</u>	770 mm	750 mm	750 mm	770 mm
<u>Kerb Weight</u>	60 Kg	79 kg	79 kg	60 Kg
<u>F:R Weight Ratio</u>	60:40	60:40	60:40	60:40
<u>Water Wading Limit</u>	240 mm	240 mm	240 mm	240 mm

ACCESSORIES

<u>Complete Body Guard</u>	Stainless steel, 17 mm Dia	Stainless steel, 17 mm Dia	Stainless steel, 17 mm Dia	Stainless steel, 17 mm Dia
<u>Ladies Foot Rest</u>	Yes	Yes	Yes	Yes
<u>Pillion foot Rest</u>	Yes	Yes	Yes	Yes
<u>Mobile Phone Holder</u>	Yes	Yes	Yes	Yes
<u>Helmet</u>	Yes	Yes	Yes	Yes
<u>Tool Kit</u>	Yes	Yes	Yes	Yes



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FEATURES

Phone charger

5V , 2.5A (Fast
Charger) USB-A

5V , 2.5A (Fast
Charger) USB-A

5V , 2.5A (Fast
Charger) USB-A

5V , 2.5A (Fast
Charger) USB-A

Anti Theft System

Yes , Electronic
Locking system.

Yes , Electronic
Locking system.

Yes , Electronic
Locking system.

Yes , Electronic
Locking system.

Key Type

Electrical &
Mechanical
Swappable

Electrical &
Mechanical
Swappable

Electrical &
Mechanical
Swappable

Electrical &
Mechanical
Swappable

Battery

One Touch Assist

One Touch Assist

One Touch Assist

One Touch Assist

Parking Mode

Reverse Gear

< 6KMPH

< 6KMPH

< 6KMPH

< 6KMPH

Glove Box

Yes

Yes

Yes

Yes

Hazard Mode

Yes

Yes

Yes

Yes

SAFETY

Vehicle Safety

Five safety connection for Short Circuit , Over current and Over Voltage protection

Circuit breaker

Electronic 32 A

Mirror

High Quality Convex Glass

Braking System

E-ABS

Throttle

Electronic , Linear with 1% Accuracy

Auto Cut-off

Yes , Electronic switch based

Charging point

5A , General Household Socket

Thermal protection

Yes in all Critical Parts like Controller, Motor , Battery and Charger

