

# THE 22 ND CENTURY MOTORBIKE

ELECTRIC. GEARED. CONNECTED.



LIT  
FESTIVE  
OFFER

INSURANCE &  
REGISTRATION BENEFITS

₹15,000\*

EXCHANGE  
BONUS

₹5,000^

# Innovation. Built Into Every Component.

## An exciting Shift

Experience superior control and a familiar riding feel with the pioneering 4-Speed Hypershift Manual Gearbox.



2.8 s  
Acceleration  
(0-40 km/h)

105 km/h  
Top  
Speed

11.5 kW  
Motor  
Power

## Cool under pressure

Integrated Intelligent Thermal Management System (IITMS) keeps critical components performing optimally, so you ride without breaking a sweat.



## Your Digital companion

Stats that matter, without any distractions. The Smart Dashboard gives you essential riding info within your field of vision.

Touch Screen

Always connected

Integrated

7-inch  
Display

4G &  
bluetooth

Navigation

## Charge your Own Way

With an on-board 5-amp charger and fast-charging support, the AERA makes every top-up seamless.

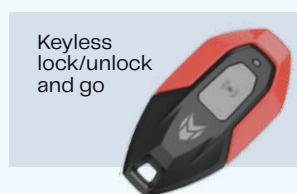
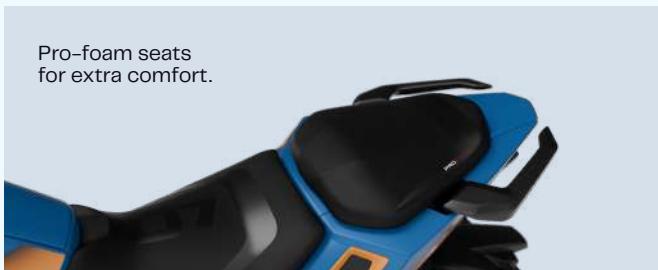
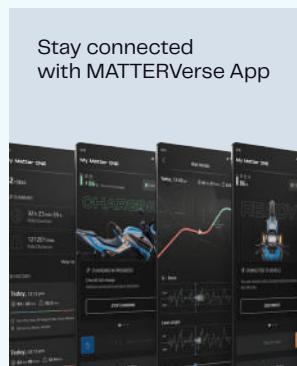
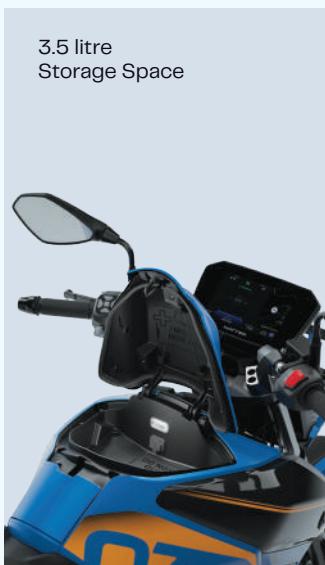
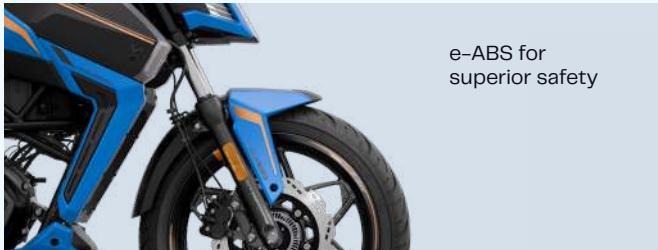
172 km  
IDC Range\*\*

5 kWh  
Battery

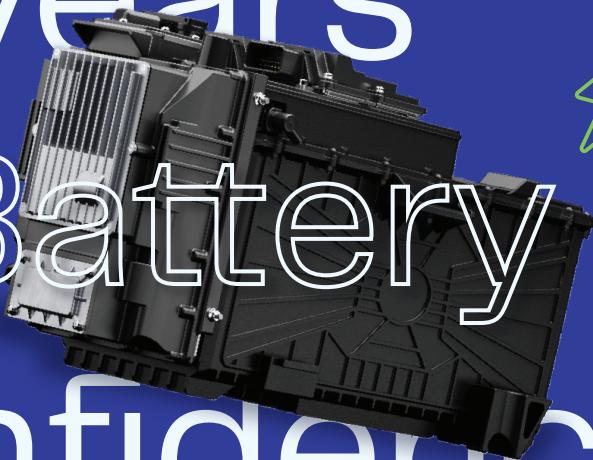
1.5 hrs  
Fast Charging Time  
(0-80%)



# Effortless Performance. Seamless Connectivity. Everyday Comfort. The AERA Does It All!



# 15 years of Battery Confidence



## 15 years/ Unlimited km

Enjoy peace of mind and ride further with first-of-its-kind Lifetime Battery Warranty.

## MATTER *Lifetime* *Battery* Warranty

### What's in it for you?

#### ***15 Years of Confidence***

Enjoy long-term peace of mind with unmatched coverage.

#### ***No Battery Anxiety***

SOH assurance ensures your performance stays strong, ride after ride.

#### ***Transferable. Rewarding. Future-Ready.***

Add value to your next purchase or pass it forward.

#### ***No Surprises. Just Clarity.***

Transparent usage and claims policy – exactly how it should be.

Built to *Endure*.  
Backed for a *Lifetime*.

Only from MATTER.  
Ask our team at the Experience Hub for full details.  
You can also get more information at [matter.in](http://matter.in)

## Specifications & Features

## AERA 5000

## AERA 5000+

### KEY SPECS OVERVIEW

Peak Motor Power kW (P)	11.5	11.5
Max Torque at Motor (Nm)	26	26
Max Torque at Wheel	450	450
Battery Capacity Installed (kWh)	5	5
Acceleration 0-40 under (s)	2.8 (<3)	2.8 (<3)
Acceleration 0-60 under (s)	5.5 (<6)	5.5 (<6)
Top Speed (kmph) (continuous)	105	105
IDC Range (km)**	172	172
Ride Modes	Eco, City, Sport +Park Assist	Eco, City, Sport +Park Assist
Charging time (0-80%)^	Normal Charging in 5 hours	Normal Charging in 5 hours
Charging time (0-80%)^	Fast Charging in 1.5 hours	Fast Charging in 1.5 hours

### POWERTRAIN

Motor Type	Interior Permanent Magnet Synchronous Machine	Interior Permanent Magnet Synchronous Machine
Transmission	4-Speed Constant Mesh	4-Speed Constant Mesh
Clutch	Manual Transmission	Manual Transmission
Number of Gears	Assist & Slipper, 4 Plate, Wet Clutch	Assist & Slipper, 4 Plate, Wet Clutch
Cooling	4	4
Water and Dust Resistance (IP Rating)	Inbuilt Active Liquid Cooling	Inbuilt Active Liquid Cooling
	IP 67	IP 67

### POWERPACK

Cooling	Inbuilt Active Liquid Cooling	Inbuilt Active Liquid Cooling
Cell Chemistry	Lithium	Lithium
BMS	Super Smart BMS	Super Smart BMS
Inverter type	Liquid Cooled Three-Phase Motor Controller	Liquid Cooled Three-Phase Motor Controller

### SAFETY AND PROTECTIONS

Thermal Management	ITIMS (Integrated Intelligent Thermal Management System)	ITIMS (Integrated Intelligent Thermal Management System)
Under Voltage Protection	✓	✓
Over Voltage Protection	✓	✓
Thermal Protection	✓	✓
Over Current Protection	✓	✓
Short Circuit Protection	✓	✓

### VEHICLE INSTRUMENT CLUSTER

Computing	State of the art processor + 3 GB RAM	State of the art processor + 3 GB RAM
Display	7 inch TFT with Capacitive Touch Screen	7 inch TFT with Capacitive Touch Screen
Connectivity	4G LTE, WiFi and BLE	4G LTE, WiFi and BLE
GPS	✓	✓
Ambient Light Sensor	✓	✓
IMU	9-axis Accelerometer, Gyroscope, Magnetometer	9-axis Accelerometer, Gyroscope, Magnetometer
Operating System	Android 11	Android 11

### CHARGING

Type	Onboard Charger + DC Fast Charger Compatible	Onboard Charger + DC Fast Charger Compatible
Connector	Integrated AC/DC Connector with Lock	Integrated AC/DC Connector with Lock
Onboard Charger Type	<b>1 kW Intelligent Charger</b>	<b>1 kW Intelligent Charger</b>
Input Voltage (V)	150-270	150-270
Input Current (A)	5	5
Charging time - 0 to 80% less than (time in hours)^	5	5
Charging time - 0 to 100% less than (time in hours)^	6	6
Fast Charger Type	<b>3 kW Standalone Charger</b>	<b>3 kW Standalone Charger</b>
Input Voltage (V)	150-270	150-270
Input Current (A)	15	15
Charging time - 0 to 80% less than (time in hours)^	1.5	1.5
Charging time - 0 to 100% less than (time in hours)^	2	2

### FRAME AND SUSPENSION

Frame Type	Dual Cradle	Dual Cradle
Front Suspension	Telescopic Fork with diameter of 33mm	Telescopic Fork with diameter of 33mm

## Specifications & Features

## AERA 5000

## AERA 5000+

### Braking

Front Brakes	270mm Petal Disc	270mm Petal Disc
Rear Brakes	220mm Disc	220mm Disc
Regenerative Braking	✓	✓
ABS	ABS, Dual Sensor Single Channel	ABS, Dual Sensor Single Channel

### Tyres and Wheels

Wheel Type	Alloy Wheel	Alloy Wheel
Front Tyre	100/80 - 17 Tubeless	100/80 - 17 Tubeless
Rear Tyre	130/70 - R17 Tubeless	130/70 - R17 Tubeless

### Lights

Headlights - Type	Bifunctional LED Projector with Position Lamps Class D	Bifunctional LED Projector with Position Lamps Class D
DRL/AHO	AHO	AHO
Tail Lights - Type	LED	LED
Indicators (Front)	Body Integrated LED	Body Integrated LED
Indicators (Rear)	Sequential LED	Sequential LED
Safety Lights	✓	✓

### Dimensions

Wheelbase (mm)	1355	1355
Ground Clearance (mm)	183	183
Seat Height - Rider (mm)	790	790
Seat Height - Pillion (mm)	880	880
Kerb Weight (kg)	168	168

### Storage

Storage Space (l)	3.5	3.5
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### Warranty

Lifetime Battery Warranty*	15 years/Unlimited km	15 years/Unlimited km
Standard Warranty - Bike	3 years/45k km	3 years/45k km

### Matter Care

Roadside Assistance (1 year)	✓	✓
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### Smart Features

Predicted Range	✓	✓
Real-time Battery Consumption (SoC)	✓	✓
Ride Stats	✓	✓
Welcome Lights	✓	✓
Battery Saving	✓	✓
Battery Usage Stats	✓	✓
Gear Indicator	✓	✓
Passive Keyless Entry	✓	✓
Push Button Start	✓	✓
Adaptive Dashboard Brightness	✓	✓
Gear Shift Helper	✓	✓
Passive Keyless Entry	✓	✓
Guide Me Home Lights	✗	✓
Bluetooth Pairing to App	✗	✓
Call Control	✗	✓
Music Control	✗	✓
USB Charging Port - Smart Control	✗	✓
Vehicle Health Check	✗	✓
Integrated Navigation	✗	Advanced
Updated via OTA	Regulatory	New Features*

### Connected Mobile App Features

Service Reminder and Management	✓	✓
Owner's Manual	✓	✓
Ride History and Stats	Basic	Advanced
Running Cost Savings Calculator	Auto	Auto
Bluetooth Pairing to Vehicle	✗	✓
Live Location Tracking / Find my bike	✗	✓*
Remote Charging Monitoring and Control	✗	✓
Trip Planner - Multi Stop	✗	✓
Push Navigation to Vehicle	✗	✓*
Vehicle Health Monitoring	✗	✓*



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