AERA

EDITOR'S CHOICE
ELECTRIC MOTORCYCLE
OF THE YEAR 2025

TOP GEAR INDIA AWARDS 2025

2025
EV
BIKE

#TOTM AWARDS
ACKO DRIVE



MATTER

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	105 km/h	11.5 kW
Acceleration (0-40 km/h)	Top Speed	Motor Power



Cool under pressure

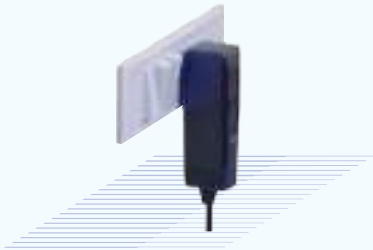
Integrated Intelligent Thermal Management System (IITMS) keeps critical components performing optimally, so you ride without breaking a sweat.



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	5 kWh	1.5 hrs
IDC Range**	Battery	Fast Charging Time (0-80%)

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



e-ABS for
superior safety

Segment-first
integrated turn
signals



3.5 litre
Storage Space



Stay connected
with MATTERVerse App



Keyless
lock/unlock
and go



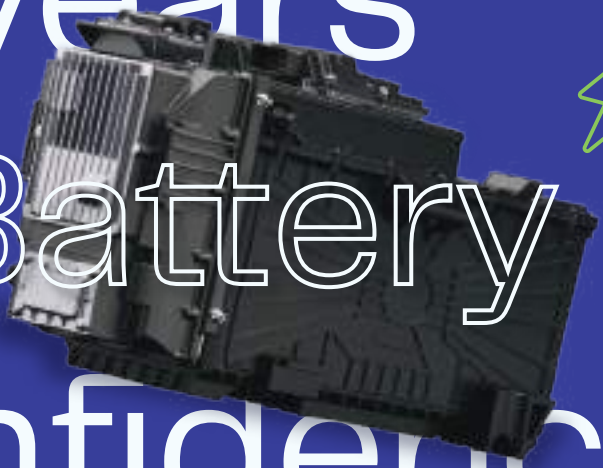
Advanced
Bi-focal Projector
Headlamp



Pro-foam seats
for extra comfort.



15 years of Battery Confidence



MATTER *Lifetime Battery* Warranty

15 years/ Unlimited km

Enjoy peace of mind and ride further with first-of-its-kind 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**

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 Manual Transmission	4-Speed Constant Mesh Manual Transmisson
Clutch	Assist & Slipper, 4 Plate, Wet Clutch	Assist & Slipper, 4 Plate, Wet Clutch
Number of Gears	4	4
Cooling	Inbuilt Active Liquid Cooling	Inbuilt Active Liquid Cooling
Water and Dust Resistance (IP Rating)	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	IITMS (Integrated Intelligent Thermal Management System)	IITMS (Integrated Intelligent Themal 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	**1 kW Intelligent Charger**	**1 kW Intelligent Charger**
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	**3 kW Standalone Charger**	**3 kW Standalone Charger**
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
WARRANTY		
Lifetime Battery Warranty*	15 years/Unlimted km	15 years/Unlimited km
Standard Warranty - Bike	3 years/45k km	3 years/45k km
MATTER CARE		
Roadside Assistance (1 year)	✓	✓
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	×	✓*

*Feature Available. Data Charges may apply. | **Range values are as per test conditions and may vary in real road conditions. ^Charge time is subject to input power load. | AERA 5000 available only in Cosmic Black & Cosmic Blue

AERA 5000+ Colour Options











AERA 5000 Is Available In Blue & Black Colours.



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Reach us at hello@matter.in | Visit matter.in | 1800 203 5630

EXPERIENCE HUB & CARE HUB Contact :