

# Ionday

MAXI eScooter

AVEVAI

- 100% ELECTRIC
- AFFORDABLE
- ZERO TAILPIPE EMISSIONS
- ZERO NOISE EMISSIONS
- 150 KM MAX RANGE
- 130 KM/H MAX SPEED
- TYPE2 CHARGER
- FIXED BATTERY PACK
- 3 DRIVING MODES
- HIGHWAY CAPABLE



## IT'S SOMETHING YOU FEEL INSIDE: BEING ECO-FRIENDLY

The new IONA Y by AVEVAI embodies an environmentally friendly and cost-efficient approach. Designed to forge a deep connection with riders, it boasts a sporty design, enhanced riding sensations, and aggressive lines. But what sets it apart is its commitment to sustainability. With an advanced electric powertrain equivalent to 125cc replacing the traditional engine, the IONA Y significantly reduces CO2 emissions while providing a powerful and thrilling ride. Incorporating lightweight and recyclable materials further lowers its environmental impact. The IONA Y maxi scooter offers riders a greener future without compromising on performance or cost efficiency.

DRIVING RANGE\*

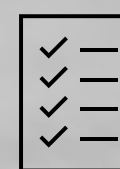
**150** km

TOP SPEED

**130** km/h

BATTERY WARRANTY

**3** years



TYPE APPROVAL  
EURO 5 / L3e-A1



HUB MOTOR  
DC BRUSHLESS



TIRE SIZE  
FRONT 120/70-14  
REAR 120/80-14

\* 150 km driving range is based on ECO mode





## BOOST MODE

The IONA Y's "BOOST" function enables sharper accelerations with max power of 18.72 kW.

The Boost Mode\* function is conveniently located on the right handlebar. When activated, this mode provides a temporary surge of high power and speed for a duration of 20 seconds. By pressing the button, 200+ amps of electric current are immediately boosted to the motor, allowing for an enhanced performance.

ACCELERATION  
0-50 km/h

**4.5**<sub>sec</sub>

ACCELERATION  
0-100 km/h

**11**<sub>sec</sub>

RATED POWER

**7.0**<sub>kW</sub>



REGENERATIVE  
BRAKE SYSTEM



GRADEABILITY  
UP TO 15%



PEAK POWER  
18.72 kW

\* The Boost function is primarily designed for overtaking vehicles or situations where a quick burst of acceleration is required. However, it's important to note that this feature can only be utilized if the remaining battery life of the IONA Y is above 50%. This requirement ensures that the Boost function doesn't excessively drain the battery and maintains a reasonable level of charge for continued use.

## CHARGING

With its standard EU Type 2 (IEC 62196) charging port, the IONA Y allows you to conveniently charge at any public charging locations of your choice, making your daily commute simpler.

Placing the battery pack of 8.28 kWh in the lower part of the chassis helps lower the center of gravity of the IONA Y, which improves stability and handling. However, the battery pack is not designed to be easily removed like some smaller batteries used in smaller eScooters.

**DRIVING RANGE PER  
HOUR OF CHARGE**

**15**<sub>KM</sub>

**CHARGING  
0-50%**

**3**<sub>HRS</sub>

**CHARGING  
0-100%**

**6**<sub>HRS</sub>

The figures shown are for comparability purposes; only compare with other vehicles tested to the same technical procedures and similar vehicle weight class. The charging times are estimates. Charging stations must be Type 2 plug compatible.



## DRIVING MODES

The IONA Y offers three distinct driving modes, allowing drivers to tailor their experience to suit different moments and preferences.

### ECO MODE

- DRIVING RANGE: 150 km\*
- TOP SPEED: 70 km/h
- MAX POWER: 60%
- MAX TORQUE: 70%

### COMFORT MODE

- DRIVING RANGE: 130 km\*
- TOP SPEED: 90 km/h
- MAX POWER: 70%
- MAX TORQUE: 80%

### SPORT MODE

- DRIVING RANGE: 90 km\*
- TOP SPEED: 130 km/h
- MAX POWER: 100%
- MAX TORQUE: 100%



**CBS**

COMBINED  
BRAKING SYSTEM

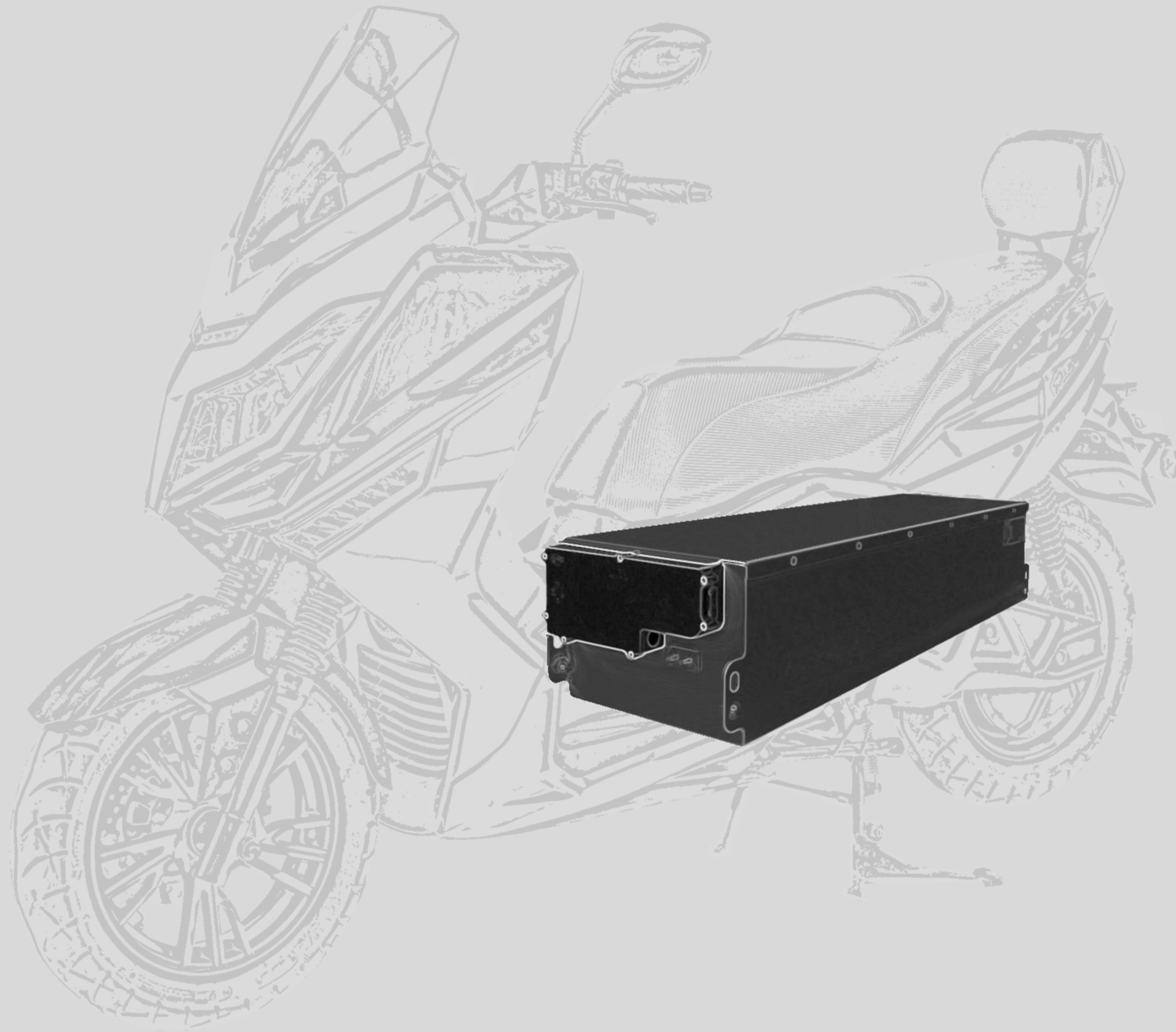


GVWR  
197 KG



2 SEATS

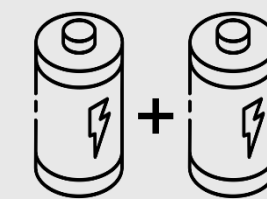
\* Driving range is based on EU L3e type approval test result. The driving range and speed will depend on the selected Driving Mode. See Technical Specs for more technical information about IONA Y.



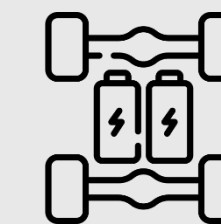
## BATTERY PACK

SK ON, one of the global leading battery manufacturers from South Korea, is supplying the ternary battery cells for IONA Y's battery pack. The battery cells have been engineered to provide unparalleled lifespan and safety, making them an ideal choice for IONA Y electric Maxi Scooter.

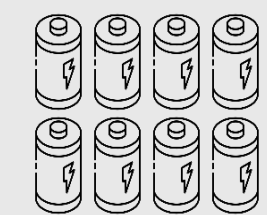
The battery pack consists of a robust 72V115Ah battery unit. This high-capacity power source is installed inside a metal housing, positioned underneath the seat and at the center of the IONA Y. This design ensures optimal weight distribution and maximizes space utilization. By securely enclosing the battery pack, it enhances safety measures, shielding it from external impacts and minimizing the risk of damage and contributing to a seamless and enjoyable driving experience.



POWERED BY  
LI-ION CELLS



BATTERY PACK  
8.28 KWH



CELL CONFIGs  
2P20S

## DIMENSIONS

With its 100% electric powertrain, this scooter operates without a fuel tank, offering a quieter and cleaner ride compared to traditional ICE scooters.



# SPECIFICATIONS

# IONAY

Category	L3e Maxi-Scooter (125 cc equivalent)
Charger plug	EU Type 2 (IEC 62196)
Motor power	Nominal 7,000W (Peak 18,720W) with Boost Mode
Motor type	Hub motor in the rear wheel
Max speed	130 km/h
Driving mode & range	ECO 150km / NORMAL 130km / SPORT 90km + Reverse
Gradeability	≥15%
Battery type	Lithium Ternary (non removable)
Battery pack	72V115Ah / 8.28 kWh (2P20S)
Regenerative braking	Available
OBC	1.3 kW (IP67)
Battery charging time	4 hours from 0 to 80% / 6 hours to fully charge
Tire size front/rear	120/70-14 / 120/80-14
Brake front/rear	Φ240 Disk / Φ220 Disk with CBS (Combination Braking System)
Dimension	L2170 x W785 x H1325 mm
Seats height	800 mm



**Disclaimer:**

The battery pack capacity may/will degrade over time and usage. The actual driving range will vary depending on driving behaviors, charging intervals, driving speed, cargo load weight and weather conditions. The figures shown are for comparability purposes; only compare with other vehicles tested to the same technical procedures and similar vehicle weight class. The charging times are estimates. Charging stations must be Type 2 compatible. The permissible total cargo weight must not exceed. Technical specifications and data are valid at the time of publishing. The product images shown are for illustrative purposes only. Specifications are subject to change without prior notice.



# AVEVAI



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