

PRODUCT CATALOG · THAILAND EDITION

Electric Two-Wheelers & Three-Core Powertrain Expert

From 500W city e-bikes to the 5,000W / 130 km/h DRAGON flagship. In-house motor, controller and battery systems from 1kW to 18kW. Ready stock, export-ready, with local production support for Thailand.

12+

Proven models

1-18 kW

In-house powertrain

130 km/h

DRAGON top speed

48-320V

Battery platforms



A powertrain company, not an assembler

Aitose develops the three core EV systems in-house — motor, controller and battery — giving us uncommon control over performance, reliability and cost across the whole vehicle. That control is exactly what distribution partners and local manufacturers need.

M + C + B

Three-Core Powertrain

In-house motor & controller matrix from 1kW to 18kW — up to 320V water-cooled IP67 systems for 100+ km/h platforms. Battery packs from 48V to 320V, matched BMS per market.

12+ MODELS

Full Product Spectrum

350W e-bicycles, 800–2,000W commuter e-motorcycles, up to the 5,000W DRAGON flagship at 130 km/h and 150 km range. Every price band covered.

CKD / SKD

Local Production Support

For capable Thai partners: assembly line planning and setup, manufacturing process transfer with SOPs, and workforce training — build your own brand locally.

READY STOCK · BATCH DELIVERY

Real inventory, real capacity — no waiting for production slots.

Our warehouses hold volume stock of finished vehicles for fast batch shipment to Thailand. Batch QC, export packing standards, container-ready with full export documentation.

Volume ready stock

Batch QC & export packing

24h response · 360° after-sales

Big-data diagnostics

24h

Rapid response

150 km

Max range (DRAGON)

IP67

Top motor protection

320V

Highway battery platform

The speed & range class

Lithium-powered, 72V platforms. The models that win premium positioning and fleet tenders.

MODEL		MOTOR	BATTERY	TOP SPEED	RANGE
DRAGON	FLAGSHIP	5,000W mid-drive + gearbox	72V 60Ah+ Li	130 km/h	150 km
Luan Feng		2,000W	72V 32Ah Li	70-80 km/h	70 km
VESPA	RETRO	1,500W	72V 50Ah Li	70-75 km/h	100 km
TES		1,500W	72V 50Ah Li	70-75 km/h	100 km
REG (Sai Ying)		1,500W	72V 50Ah Li	70-75 km/h	100 km
BO9	LARGE STORAGE	1,500W	72V 50Ah Li	70-75 km/h	100 km

FOCUS · DRAGON

5,000W mid-drive with gearbox

Built for highway-capable use: 130 km/h top speed, 150 km range on the 72V 60Ah+ lithium pack. The showroom flagship and the proof of the 100 km/h-class powertrain program.

5,000W rated

130 km/h

150 km range

mid-drive + gearbox

· Top speed and range figures measured under standard test conditions; actual results vary with load, terrain and temperature.

· Battery, charger and packing are quoted separately for export orders.

· OEM color and trim customization available on batch orders.

The volume class

Cost-efficient 72V / 60V commuter platforms — the workhorses for city distribution and fleet deployment.

MODEL	MOTOR	BATTERY	TOP SPEED	RANGE
WG (War God)	800W	72V 20Ah lead-acid	45–50 km/h	70 km
V6	800W	72V 20Ah lead-acid	45–50 km/h	70 km
M9	800W	72V 20Ah lead-acid	45–50 km/h	70 km
RH (Roman Holiday) RETRO	1,000W	72V 20Ah lead-acid	50–55 km/h	70 km
S1 MINI	500W	60V 20Ah lead-acid	35–38 km/h	60 km

POSITIONING

Entry pricing, proven platforms

Lead-acid packs keep acquisition cost low for price-sensitive segments; every model shares common service parts to simplify after-sales inventory for distributors.

UPGRADE PATH

Lithium options on request

Commuter models can be configured with matched lithium packs and BMS from our in-house battery program — longer life, lower TCO, higher resale.

FIT FOR THAILAND

45–55 km/h matches urban speed reality; 70 km typical range covers daily commute plus delivery shifts. The 1,500W lithium class on page 03 covers riders who need highway-class capability within the city.

High-volume city commuting

Six trims on one proven 48V platform — the volume play for urban Thai commuting.

- Y2-LP
- Y2-MD
- Y2-LX
- Y2-SY
- Y2-MYZ
- Y2-MYZ PRO

PARAMETER	Y2 SERIES
Motor	350–500W pure-copper motor, 48V platform
Top speed	45 km/h
Front suspension	Hydraulic front fork
Lighting	LED headlights
Starting	Remote + key start
Instrument	NFC smart meter on selected trims
Colors	Multiple, OEM customization on batch

SMART INSTRUMENT & CONNECTIVITY

LED self-luminous clusters

Digital displays readable in direct sunlight and at night — a visible quality cue at first sit-on.

NFC smart unlocking

Card-based start on selected trims removes key handling and supports fleet key management.

Remote anti-theft

Alarm and immobilization features that lower insurance friction for fleet and rental operators.

Big-data platform

Fleet monitoring and fault pre-diagnosis — service issues surfaced before the rider calls.

Motor • Controller • Battery

The systems that define an EV's performance, reliability and cost — developed in-house, and supplied standalone to local-production partners.

CLASS	RATED	PEAK	PEAK TORQUE	MAX RPM	VOLTAGE	COOLING	IP
City	1.5/2.2 kW	3/4.5 kW	37.5/40 N·m	4,500–4,700	48V/60V	Air	IP55
Commuter	3–5 kW	6–10 kW	50–80 N·m	5,000–5,500	48/60/72V	Air	IP55
80 km/h class	7.5/9.5 kW	15/18 kW	90/105 N·m	7,200	60/72/144V	Air	IP55–67
100 km/h class	15 kW	30 kW	105 N·m	7,250	144V	Air	IP67
Highway	18 kW	35 kW	125 N·m	8,350	320V	Liquid	IP67

BATTERY SYSTEMS

48V to 320V platforms

Lead-acid for entry commuters; lithium packs up to 72V 60Ah+ for long-range and high-speed models. Matched BMS and charging profiles configured per market.

Matched BMS

72V 60Ah+

Market-tuned charging

MANUFACTURING

Documented process, transferred to you

Our production and assembly know-how — from incoming QC to end-of-line testing — is the same playbook we transfer to local-production partners.

Incoming QC

SOPs

End-of-line testing

SUPPLY MODES

Finished vehicles (CBU) · Knock-down kits (CKD/SKD) · Three-core systems and spare parts as standalone supply for your own assembly line.

Two ways to work with Aitose

Start as a distribution partner with ready stock — or go further and build local production with our powertrain and process support.

A

Distribution Partnership

- Volume ready stock — fast batch shipment to Thailand
- 12+ models covering every price band
- Spare parts supply and technical documentation
- 24h response, big-data remote diagnostics
- Marketing assets and sales training

B

Local Production (CKD/SKD)

- Assembly line planning and setup support
- Manufacturing process transfer & SOPs
- Three-core systems supply: motor, controller, battery
- Workforce training — assembly, QC, after-sales
- Support for BOI-related local content strategy

WHO WE WORK WITH

Motorcycle dealers

Established dealers expanding into EV with a ready-made portfolio.

Importers

Importers seeking a differentiated, powertrain-backed supply partner.

Groups & investors

Industrial groups planning local EV assembly in Thailand.

NEXT STEP

Tell us your plan for Thailand — we reply within 24 hours.

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CONTACT

Build your EV business on a real powertrain partner

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PROJECT & TECHNICAL COOPERATION

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Local production · CKD/SKD · powertrain projects

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