



VOLTEVIA

GLOBAL EV DISTRIBUTION

Electric Vehicle Product Catalog

Electric Vehicles · Special Vehicles · Electric Farm Machinery · Autonomous Driving —
Comprehensive Catalog

Worldwide distributor of electric, special & autonomous vehicles

Distributed worldwide by **VOLTEVIA** / Manufactured by **HUAYI**

EST. 2014

Year Founded

2,500 m²

In-House Factory

5 LINES

Product Lines

GLOBAL

Export Record



In-house design, production & welding — a specialist electric special-vehicle manufacturer

Since its founding in 2014, Changzhou Huayi Environmental Technology Co., Ltd. has designed, assembled, and welded a wide range of special-purpose vehicles in-house — including electric vehicles, sightseeing cars, electric cargo vehicles, electric buses, electric trucks, and autonomous electric vehicles.

With a 2,500 m² in-house factory and dedicated design and production staff, we handle everything from mass production of standard models to customer-specific vehicle conversion and custom manufacturing.



Established

2014. 01. 23



CEO

Yoon Min-woo



Facility

2,500 m² in-house production



Location

Changzhou, Jiangsu, China



In-house factory / Changzhou, Jiangsu, China



Electric Vehicles



**Special-Purpose
EVs**



**Electric Farm
Machinery**



**Autonomous
Driving**



Five product lines, one electrification platform

We design purpose-specific vehicles on a shared electric drive, battery, and control technology base.

01



Electric Vehicles

DANIGO Series

Micro passenger to 1-ton cargo
DANIGO I-III-VAN-C-T-TOVI

02



Special-Purpose EVs

HYTRON Series

Airport carts • military transporters
Hospital meal carts • sightseeing cars

03

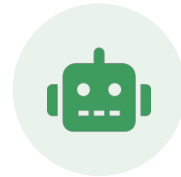


Electric Farm Machinery

AGRIO Series

Farm pickups • fruit carriers
Golf utility carts • HY-500

04



Autonomous Driving

AUTOWAY Series

Yard Truck • autonomous sweeper
X-by-Wire chassis

05



Conversion & Parts

Engineering

Special-vehicle conversion • complete-vehicle export
Battery pack development



DANIGO Series - micro passenger to 1-ton cargo

EV lineup comparison

	DANIGO I	DANIGO II	DANIGO III	DANIGO VAN	DANIGO C	TOVI
Model						
Type	Micro		Light cargo			Micro
Model year	2018	2018	2019	2020	2022	2023
Max power	14 kW	14 kW	14 kW	60 kW	60 kW	30 kW
Range	70 km	80 km	110 km	200 km	300 km	220 km
Battery	7.2 kWh	9 kWh	11.1 kWh	39.6 kWh	57 kWh	30 kWh
Top speed	80 km/h	80 km/h	80 km/h	100 km/h	100 km/h	100 km/h



Lineup at a glance

Micro passenger (L7e class)

DANIGO I • II • III • TOVI
Range 70–220 km • 14–30 kW

Light cargo (1-ton class)

DANIGO VAN • C • T
Range 200–300 km • 60 kW
Payload 700–850 kg



6

Models

4 passenger + 2 cargo + camper



~300 km

Max range

DANIGO C • LG 57 kWh battery



LG

Battery cells

21700 high-capacity cells • fast/standard charging



DANIGO III — micro electric passenger car

An L7e-class EV for urban last-mile, postal, and delivery fleets

Specifications



Dimensions (L×W×H)

3,512 × 1,500 × 1,610 mm



Range per charge

130 km



Top speed / gradeability

80 km/h • 15°



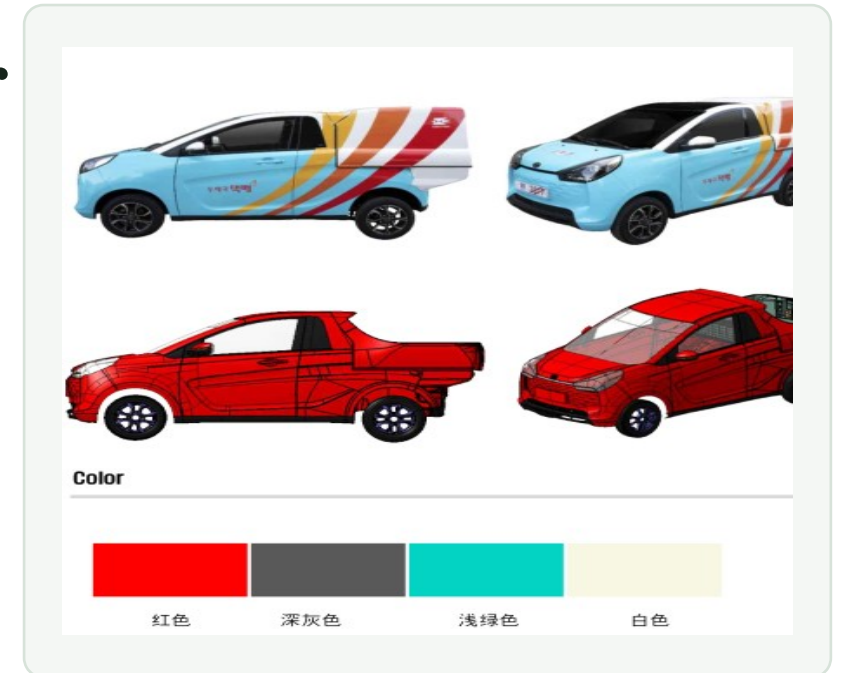
Battery (LG Li-Ion)

13.3 kWh • 220V standard charge 3h



Braking / cargo bay

ABS brakes • 1,000 L



DANIGO III • 4 colors



Ideal for

Postal and parcel last-mile delivery and short-range urban driving. A micro EV field-proven through delivery to Korea Post and test drives by government ministries.



01 • ELECTRIC VEHICLES / DANIGO SERIES

DANIGO C / T — light truck

1-Ton Electric Light Truck · 1 吨级电动轻型货车

Specifications



Dimensions (C / T)
Dimensions / 尺寸

4,750×1,670×
1,985 / 2,300 mm



Range · speed
Range·Speed / 续航 · 车速

300 km+ ·
100 km/h+



Battery
Battery / 电池

57 kWh
(LG 21700)



Payload (C / T)
Payload / 载重

850 kg / 700 kg



Safety systems
Safety / 安全

ABS · ESC · TPMS



Urban logistics · refrigerated delivery · small-business transport

Urban logistics · refrigerated delivery · 城市物流 · 冷链配送





TOVI - compact multi-purpose EV

A compact family EV: 4 seats • 30 kWh • 220 km range

Specifications



Dimensions (L×W×H)

3,395 × 1,475 × 1,950 mm



Seating capacity

4 people



Range / top speed

220 km+ • 100 km/h+



Battery (LG 21700)

30 kWh • fast + standard charging



Safety / payload

ABS•ESC•TPMS • 350 kg



TOVI • 4-seater compact EV



Ideal for

Urban multi-passenger transport, small-business shuttles, and tourist-site operation. A micro 4-seater with generous interior and cargo space.



02

Special-Purpose EVs

Special Purpose Electric Vehicles

Airport baggage tractors • military explosion-proof transporters • hospital meal carts • sightseeing/cleaning/special transport



HYTRON

SPECIAL PURPOSE VEHICLES



Airport Baggage Tractor (HY-JCC01)

Wireless remote-control towing • delivery references including Incheon Airport

Specifications



Battery / motor

24V/100A • 800W (Curtis controller)



Max towing load

500 kg



Top speed / turning radius

8 km/h • 3 m



Overall dimensions

1,800 × 500 × 1,100 mm



Braking / features

Electronic brakes • wireless remote



Airport baggage tractor • with wireless remote



Ideal for

Baggage/cart towing at airports, logistics centers, and large stores, plus short-range indoor/outdoor transport. Precise towing in narrow aisles.



Military Explosion-Proof Equipment Transporter (HY-BP103)

An explosion-proof electric transporter with anti-spark design and cargo-platform towing

Specifications



Battery / motor

48V ≥200Ah • 1,500W high output



Payload / gradeability

1,500 kg • 10%+



Range

80 km+



Dimensions / turning radius

2,400×1,600×1,060 • ≤2.5 m



Safety design

Explosion-proof wiring & grounding • anti-spark tires



Military explosion-proof electric trolley



Ideal for

Explosion-proof transport for military units, ammunition/hazardous-material handling sites, and refineries. Independent suspension enables off-road and rough-terrain driving.



Hospital Electric Meal-Delivery Cart

A low-speed, precise meal-delivery vehicle with rear camera for narrow ward corridors

Specifications



Battery / charging

Lead-acid 24V/5Ah • 6h full charge



Motor / gear ratio

24V 500W • 3,000RPM • 40:1



Speed / gradeability

4.0 km/h • 15°



Safety aids

7-inch LCD • rear camera (170°)



Wheels (steer/drive)

6-inch / 10-inch



Hospital meal delivery cart



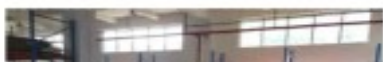
Ideal for

Meal transport in hospitals and care facilities, moving through narrow corridors and elevators. A rear camera that activates automatically in reverse ensures safety.



Special EV conversion & custom manufacturing

We electrify existing vehicles or design and build purpose-specific special bodies end to end.



5-ton special EV conversion example • 72V/500Ah • 17 kW

Conversion example specs



Body (L×W×H)

5,250 × 1,890 × 2,100 mm



Battery / motor

72V/500Ah • 17 kW



Payload / curb weight

5,000 kg / 2,000 kg



Cargo bay

2,860 × 1,630 × 355 mm

Applicable vehicles Tour buses • equestrian sightseeing cars • waste-collection vehicles
exported to Australia • sightseeing trains • 5-ton trucks



Complete-vehicle export



Parts development &
export



Battery pack development



Vehicle conversion



03

Electric Farm Machinery

Agricultural Electric Machinery

Agricultural pickups (AGRIO) • golf/orchard utility carts • fruit carrier HY-500 • paddy-ridge builder



AGRIO

AGRICULTURAL ELECTRIC



AGRIO Agricultural Electric Pickup

Slope anti-rollback • regenerative braking • cargo bay optimized for orchards

Specifications



Dimensions (L×W×H)

3,475 × 1,375 × 1,550 mm



Drive motor

5.2 kW AC • anti-roll & regenerative braking



Speed (fwd/rev)

0~15 / 0~10 km/h



Payload / ground clearance

200 kg / 150 mm



Key features

EPS power steering • LED • auto-leveling



AGRIO agricultural pickup



Ideal for

Transport for orchards and field crops, and driving on sloped farm roads. Based on a model field-verified at Korean farms (Seongbu Industries), with a custom cargo bay fitting 9 orchard boxes and anti-rollback on slopes.



Golf / Orchard Utility Cart

A multi-purpose low-speed cart with 670 kg payload and LFP battery

Specifications



Dimensions (L×W×H)

3,460 × 1,305 × 1,890 mm



Seating capacity

2 people



Motor / wheelbase

4 kW • 2,440 mm



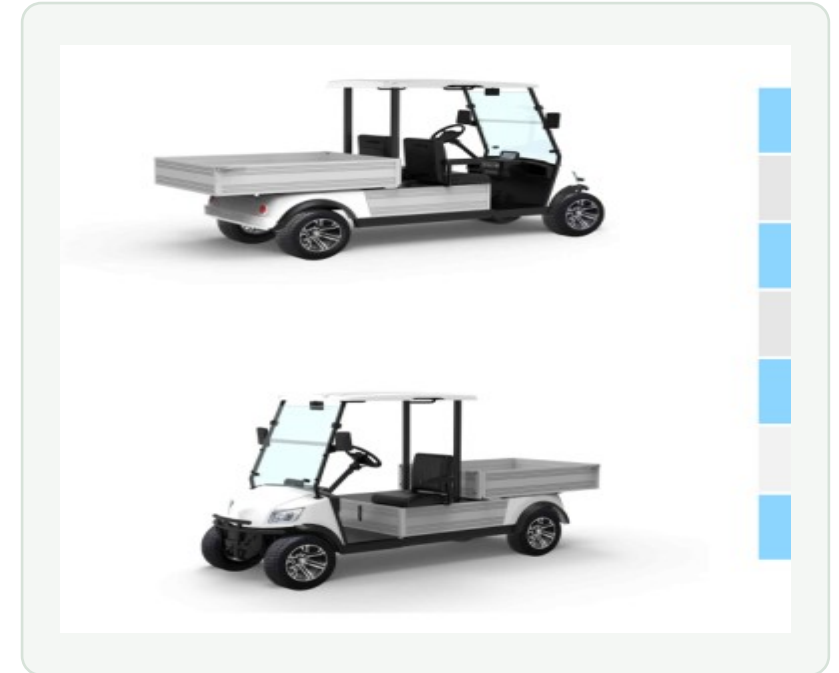
Payload

670 kg



Battery / top speed

48V/190Ah • 9 km/h



Golf / orchard utility cart



Ideal for

Transport of people and materials within golf courses, resorts, and large orchards. Its aluminum cargo bay resists corrosion and it is optimized for safe low-speed operation.



Fruit Carrier HY-500 — orchard car

Deck lift + dump + aerial work in one machine — a multi-purpose orchard work platform

Specifications



Body size (L×W)

1,562 × 1,157 mm (compact)



Battery

48V / 190Ah LFP (long life)



Deck lift / work

Lift-type aerial work • 252 mm+



Drivetrain

Rear-wheel drive • 4-wheel rough-terrain capable



Functions

Lift • dump • extendable deck



ORCHARD CAR HY-500 • 果园车



Ideal for

One-person multi-tasking for orchard harvesting, pruning, and transport, including on sloped orchards. Workers can raise the platform to harvest even between closely spaced trees.



04

Autonomous Driving Solutions

Autonomous Driving Solutions

Yard Truck (port yard tractor) · autonomous sweeper · X-by-Wire electric chassis platform





Autonomous vehicles & X-by-Wire platform

We develop driverless vehicles by combining an electric chassis with X-by-Wire control.



Yard Truck — port/logistics yard tractor

Automated short-range towing in container yards and logistics parks. Electric-driven driverless operation suits 24-hour repetitive tasks.



Autonomous Electric Sweeper

Driverless cleaning of roads, complexes, and factory grounds. Combining an electric cleaning module with autonomous driving reduces reliance on labor.



References by vehicle type — field-verified in Korea

Every vehicle type has completed the relevant procedures in the Korean market and been field-verified through delivery to and test drives by major institutions.

Product Lines	Representative models	Korea references · field verification	Status
Electric Vehicles	DANIGO Series (I·III·VAN·C·T·TOVI)	Delivered to Korea Post · test-driven by government ministries (Land, Environment, Industry, Interior, Science & ICT)	✓ Field-verified in Korea
Special-Purpose EVs	Airport baggage tractor · hospital meal cart · military transporter	Delivered to Incheon Airport · operating in medical/defense settings	✓ Field-verified in Korea
Electric Farm Machinery	AGRIO farm pickup · HY-500 orchard vehicle · utility cart	Partnership with Seongbu Industries · operating at Korean orchards and farms	✓ Field-verified in Korea
Autonomous Driving	Yard Truck · autonomous sweeper · X-by-Wire chassis	Co-developed with Taegang and domestic partners	✓ Field-verified in Korea

※ All vehicle types above have completed the relevant procedures for the Korean market and earned field-proven trust through delivery to and test drives by major public and industrial institutions.



From design to mass production, all in one place

As a specialist special-vehicle manufacturer, we handle both standard-model mass production and customer-specific development.



End-to-end production

A 2,500 m² factory performing design, assembly, and welding in-house. We control quality and lead times directly, without relying on outsourcing.



Special-vehicle expertise

A delivery record proven in the Korean market, including Incheon Airport and Korea Post. Mass-production know-how across airport, military, hospital, agricultural, and autonomous special vehicles.



Core electrification technology

In-house battery-pack development and integrated electric drive/control design deliver optimal electrification for each vehicle.



Global export capability

With a track record in complete-vehicle and parts exports and multilingual support, we help overseas buyers meet certification and logistics requirements.



Custom development / conversion

End-to-end engineering to customer specifications — from electrifying existing vehicles to designing new bodies.



Quality & safety first

We supply reliable vehicles with safety systems such as ABS, ESC, and TPMS and a stable parts supply.

One manufacturing capability, a structured brand system

HUAYI manufactures, products carry series brands, and VOLTEVIA handles worldwide sales.



HUAYI — Manufacturer

End-to-end design, assembly & welding (2,500 m²)

MANUFACTURER



Passenger & cargo EVs



Special vehicles



Farm machinery



Autonomous Driving

PRODUCT SERIES



VOLTEVIA
WORLDWIDE DISTRIBUTION
Official Global Sales Partner of HUAYI

Overseas sales · global distribution partner

Official Worldwide Distributor — end-to-end export, certification & logistics

DISTRIBUTOR



The Best Partner for Your Business

Let's design the right electrification solution for your business, together.

VOLTEVIA - Official Worldwide Distributor

Manufactured by HUAYI Eco Electric / Changzhou, Jiangsu, China