



ECOTRANZIT 6M ELECTRIC BUSES



100% ELECTRIC | ZERO EMISSION

Personalized and Sustainable Mass Transport
**Electrifying & Modernizing the
Philippines Jeepney Market**

THE BUS THAT POWERED A REVOLUTION

Changing an industry does not happen overnight. For many years, fossil fuel buses had the overhand, but the need for change became inevitable. Although this transformation wasn't directly embraced by the market, ecotranzit remained steadfast in its determination to prove otherwise. Although the ecotranzit 6M designed for the Philippines Jeepey Modernization market looks like a traditional bus, it is far from it. Without a legacy in diesel buses, ecotranzit started to approach the design directly from an electric point of view. First with the aim of showing that you don't have to compromise on comfort and drivability, in which later, with the implementation of various innovations, Electric driving became even more compelling and cost-effective.

Over the past couple of years, the ecotranzit 6M has been proving it's efficiency and reliability. Drawing upon extensive real-world experience this bus has been optimized to become one of the best performing electric buses available in the market today.



RANGE UP TO 180-250 KM

Driving a full operation on a single charge



PROVEN LEGACY

Used extensively in hot weather conditions during FWC 2022



PERFORMANCE

Saving on charging time and energy costs



IN-HOUSE DEVELOPED

Optimized throughout the years



LATEST GENERATION LFP BATTERIES

Safest and most reliable battery choice

CUTTING-EDGE ELECTRIC BUS

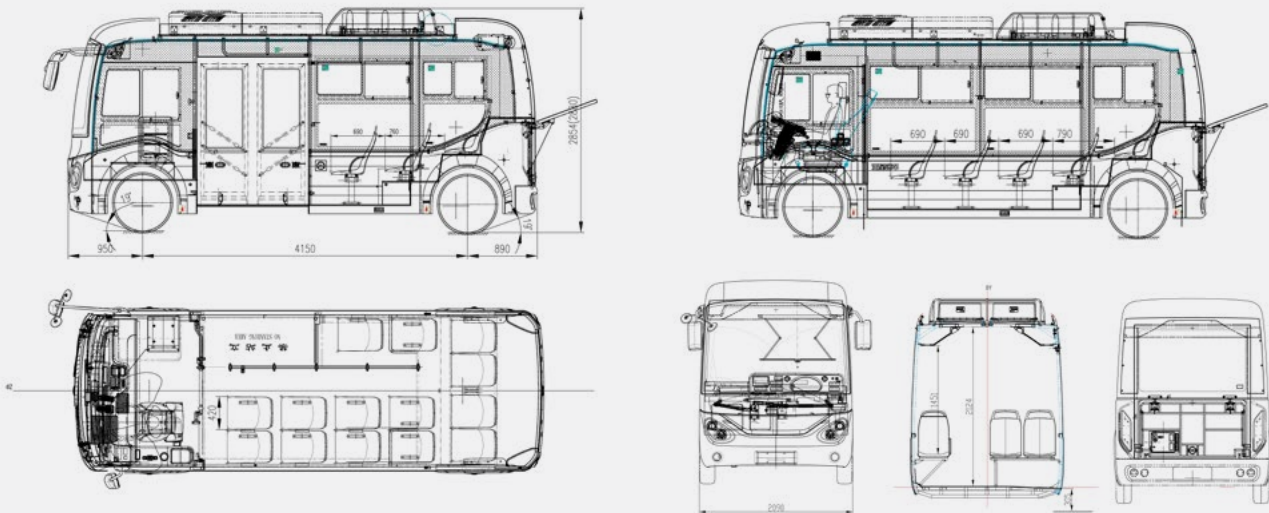
Optimized throughout the years

BATTERY PLACEMENT BACK

HEIGHT
3,250 MM



SEAT LAYOUT MULTIPLE CONFIGURATIONS



APPLICATIONS



Quick and Easy Boarding
and Alighting



Stage
Carriage



Intracity



Intercity

Specifications of Ecotranzit¹ 6m - SAMPLE Bus JS6608GHBEV

Basic Parameter

Overall length(mm)	5990
Overall width(mm)	2090
Overall height(mm)	2900
Front/rear overhang(mm)	950/890
Wheelbase(mm)	4150
Max G.V.W(kg)	6500
Seat capacity	14+1
Max speed(km/h)	69
Climbing ability (%)	15%
Driving mileage(km)	180
Structure	Low-floor entry

Specification

Powertrain & HV Electric system	<p>Drive Motor: TZ220XS60AYX Permanent Magnet synchronous motor (Integrated in rear axle), rated power 60kW, max power 120kW</p> <p>Vehicle controller: ASIASTAR VCU</p> <p>High voltage electric control system: WEICHAH 8-in-1 system</p> <p>Electric power steering pump: Dual-source oil pump</p> <p>Electric air compressor: non-oil piston electric air compressor</p> <p>Charging socket: GB standard</p>
Power Battery	CATL lithium iron phosphate battery 100 kwh with BMS
Battery cooling system	Air conditioning integrated power battery water cooling system
Motor cooling system	ATS electric fan
Front axle	Front disc axle, rated loading 3T
Rear axle	Rear integrated electric motor axle, rated loading 3.5T, disc brake
Braking system	Service brake: Pneumatic dual circuit full air brake,
Parking brake: storage energy spring braking	City bus bench seat (class 2)
Suspension	Leaf-spring suspension, with front transverse stabilizer bar
Steering	Domestic Integral power steering LHD
ABS	ABS+ASR
Tire	215/75R17.5 tubeless radial tire, Aluminum alloy rim

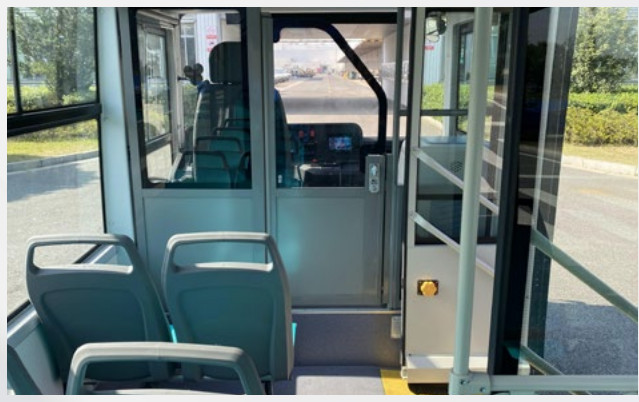
¹ As part of its corporate identity enhancement initiative, Ecotranzit is in the process of changing their vehicle brand to across all model lineups in future. and Ecotranzit are trademarked copyrighted by its parent company Ecotranzit Holding Qatar. The sample bus will have ecotranzit logo. The batch orders will have logo.

Specifications of Ecotranzit¹ 6m - SAMPLE Bus JS6608GHBEV

A/C	Roof mounted A/C (refrigerating capacity 8-14kw)
battery water cooling system (air conditioning integrated)	Manual folding door (front door only)
Defroster	Yes
Door	Middle out-swing door
Floor	Glue Bamboo floor, anti-friction floor leather
Side window	Inner sliding side window, green glass
Passenger seats	14 city bus seats
Driver's seat	High-back adjustable air-suspension driver seat, with three-point safety belt
Trim	Standard A/C interior trimming, PVC air duct
Interior lighting	Inner roof light , step light
Rearview mirror	Yes
Digital clock	Yes
Sun visor	One half sun visor for front windscreen
Side rolling curtain for driver	One half sun visor for front windscreen
Handrail and guardrail	Standard
Audio-visual system	Radio+MP3
Road board	No
CCTV system	Colorful monitor with 3 cameras
Fire extinguisher	Automatic fire extinguisher in motor and battery compartment
Paint	Imported paint
Body and skin	High strength rectangle steel tube frame, metal skin, electrophoresis for whole body
AFC+GPS	wizarPOS QB3 (optional – provided for approval)

Warranty

Battery warranty period	8 Years
Driver & VCU warranty period	8 Years
Vehicle warranty period	8 Years





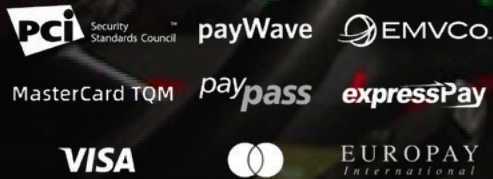
WizarPOS Bus Validator

To make our vision of a future where Filipinos can enjoy comfortable, eco-friendly, and reliable public transportation with easy mode of payment, we have joined forces with WizarPOS, a highly experienced and trusted Automated Fare Collection System (AFCS) hardware solution. With WizarPOS as our solution, we are proud to introduce a comprehensive solution for the Philippines Jeepney Modernization Market.

What Sets Us Apart:

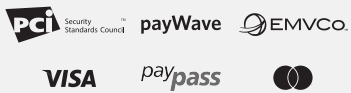
Automated Fare Collection System (AFCS): WizarPOS, provides a tried and tested AFCS that streamlines the ticketing process, making it convenient for passengers and efficient for operators.

Passenger Information System: Stay informed with our state-of-the-art Passenger Information System, providing real-time updates on bus routes, schedules, and more, ensuring a hassle-free commute.



WizarPOS WizarPOS Ticket Validator

An indispensable secure fare collection terminal for transit systems and line-busting businesses



Tickets



EUROPAY
International

MasterCard TQM

UnionPay

expressPay

D-PAS



A compact size suitable for varied scenarios and verticals



A future-proof **Android-based POS terminal**



A remote management platform



Audio signal notification

Bus Validator Technical Specifications

Software Platform	Secure Android 7.1
Memory	1GB RAM, 8GB Flash or 2GB RAM, 16GB Flash
Display	4" multi-touch color LCD panel (480 x 800)
Scanner	1D & 2D barcode scanning
Certification	PCI PTS 5.X, SRED, EMV L1 & L2, EMV CL L1, TQM, PayPass, PayWave, ExpressPay, D-PAS, Anatel, Interac Flash L2, Rupay, MIR, Jspeedy, RoHs, FCC, CE, UnionPay Transit and Visa Transit certified
Connectivity	WiFi, Bluetooth 4.0, GSM, 3G, 4G LTE, eSIM supported (Optional) RS232/RS485 x1, Ethernet(PoE) x1, USB Type-A x1, DC Jack; SIMx1, SAMx2 (Optional) GPS, GLONASS, BEIDOU
Card Readers	NFC contactless, ISO 1443 Type A & B, MIFARE, Sony Felica
Expand Module (Optional, Occupy USB Type-C port)	Ethernet x1, USB Type-A (Host) x1
Power	24V DC in / POE power supply
Enclosure	IP 65 dust/waterproof rating IK 10 vandal-proofing -20°C to +65°C operating temp
External Antenna	Optional
Backup battery	30mins
Dimensions (With Stand)	212 x 95 x 87.5 mm (83.5 x 37.4 x 34.4 inches)
Dimensions (Without Stand)	212 x 95 x 45.5 mm (83.5 x 37.4 x 17.9 inches)
Weight	205 g (0.45 lb)

All features and specifications are subject to change without notice. Contact WizarPOS sales for more details.

- Tap and go contactless payments for public transportation, e-Wallets, and barcodes
- A large scan area for smooth for readability of any type of barcodes or QR code
- Speedy and secure cashless transaction for increased sales and line-busting capabilities
- eSIM supporting centralized data plan management

With our experience in the recent Football World Cup held in 2022 Qatar, we bring our world-appreciated expertise in developing a Philippines-focused Integrated passenger and Fleet Management System with real-time monitoring.



Fleet Management System

A system developed to track the vehicle's condition and routes for smoother operations



Transportation



Tickets



Media and Ads



Mobile Banking



Points and Promos



Security



Shopping



Government Services

LOOKING FORWARD TO DOING BUSINESS WITH YOU

VIM AUTOMATIVE - ECOTRANZIT



info@vimautomative.com



www.vimautomative.com



Building 108, Floor 15th, Lusail City, Doha, Qatar.





Discover Ecotranzit's Overnight Fast Charging Station:

Reliability in All Weather Conditions

The Overnight Fast Charging Station:

Are you an electric vehicle owner or operator searching for a reliable and efficient charging solution? Look no further than Ecotranzit's Overnight Fast Charging Station.

Key Features:

Compatibility: Our charging station is compatible with a wide range of electric vehicles, making it a versatile choice for EV owners and fleet operators.

Overnight Charging: Experience the convenience of overnight charging. Our station ensures your electric vehicle is ready for the road when you are.

Adverse Weather Performance: We understand the importance of reliability, especially in adverse weather conditions. Our charging station is rigorously tested to perform flawlessly even in rain, snow, or extreme temperatures.

Efficiency: Benefit from fast charging speeds that reduce downtime and keep your electric vehicle on the move.

User-Friendly Interface: Our intuitive user interface makes charging your electric vehicle a breeze. Monitor your charging progress and receive notifications via our easy-to-use system.

Why Choose Ecotranzit's Charging Station:

Reliability: Count on our charging station to perform consistently, regardless of weather conditions.

Compatibility: Enjoy the flexibility of charging various electric vehicle models with a single station.

Convenience: With overnight charging, you can start your day with a fully charged electric vehicle.

Efficiency: Our fast charging speeds ensure you spend less time waiting and more time driving.

Experience Hassle-Free Charging:

Ecotranzit's Overnight Fast Charging Station is the solution you've been searching for. Whether you're an electric vehicle owner looking for convenience or a fleet operator seeking efficiency, our charging station delivers top-notch performance, even in adverse weather.

OVERNIGHT 120KW

Electrical

- + Maximum Output Power 120kW
- + Input Rating AC380/400V, 50/60Hz, 3P+N+PE
- + Output Voltage DC 200-1000V
- + Output Current 250A max. for each connector
- + Full Load Power Factor >0.99
- + THD ≤5%
- + Full of Efficiency >95% at full load

Interface and Control

- + Charging Connector Number 2 (Single charging: 120kW, simultaneous charging: 60kW+60kW)
- + Charging Connector Type GBT
- + HMI 15.6" high brightness TFT touch screen
- + RFID ISO/IEC 14443A/B, ISO/IEC15393
- + Payment APP
- + Network Connection Ethernet, 4G
- + Platform Communication OCPP 1.6J
- + Languages Chinese/English (other language available on request)

Environment

- + Enclosure Rating IP55/IK10
- + Operating Temperature -30°C ~50°C
- + Recommended Storage -40°C ~70°C
- + Altitude <2000m (over 2000m down-rating power output)
- + Relative Humidity 0-95% (no condensation)

General

- + Charging Cable 5m standard (other length is optional)
- + Installation Mode Fixed Installation
- + Size(WxDxH) 740x570x1600mm (without charging connector holder)
- + Weight 252kg±10kg(without power module)
- + Cooling Method Forced fan cooling

Safety and Regulation

- + Detection and Protection Insulation protection, Short circuit protection, Over/under voltage protection, Over current protection, Surge protection
- + Standard GBT18487, GBT20234, GBT27930



Technology

- 38 patents
- ISO, IEC, DIN Certification
- High Power Fast Charging
- Double Gun Fast Charging



Product

- Ultra Fast AC-DC charger
- Ultra Fast DC-DC charger
- Pantograph Based Charging Solutions
- Charging Network Management Software



PRODUCT ADVANTAGES

Charging Infrastructure Is Our Core Expertise



Power converters
Designed by
VIM & Partners R&D



Components
OMRON, ABB
Schneider Electric



Connectors
Phoenix Contact
Double Gun Fast Charge
Up to 500A without cooling



Monitoring software
Charging Network
Management Software



Cabinet
Corrosion Resistant Aluzinc
Stainless Steel
Anti-Graffiti Coating



Safety
Up to 15 Protection
Systems



Display
TCU 7" Color Touch
Screen Controller



Temperature
-40°C ~ +50°C

LOOKING FORWARD TO DOING BUSINESS WITH YOU

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info@vimautomative.com

www.vimautomative.com

Building 108, Floor 15th, Lusail City, Doha, Qatar.





“THE ECOTRANZIT 6M, OUR VISION FOR THE PHILIPPINES MODERN JEEPNEY IN THE 21ST CENTURY, IS DESIGNED TO BE, SEAMLESSLY BLENDING INNOVATION AND SUSTAINABILITY TO STEER THE PHILIPPINES TOWARDS A GREENER FUTURE ON THE ROAD.”

SHEIKH KHALIFA BIN HAMAD AL THANI,

Chairman of VIM / ecotranzit

VIM leads the electrification of transport with innovative zero emission buses, by overcoming major obstacles to electrification. Not hindered by a legacy in diesel buses, VIM has proven itself to be an innovative frontrunner in the development of electric buses as well as ancillary products and services to the electric vehicle ecosystem. We believe VIM is at the heart of the entire EV ecosystem.

Building on its experience with all components of sustainable and smart mobility, VIM’s offering comprises everything from zero emission buses to fare collections systems, charging infrastructure, depots, service and maintenance, local energy supply and grid alignment.



VIM Automotive - Ecotranzit

Burj Marina Tower, Floor 15th, Lusail City, Doha, Qatar.

info@vimautomotive.com | M: +974 7772 2974

www.vimautomotive.com