

E12 Series

100% Battery Electric Route Bus



Seats 44 or stands 30

Multiple charger solutions

Ultra-low floor with wheelchair ramp

Dual wheelchair areas with back stops

Fitted with EBS, ABS, ASR, ESC



CALL 1800 YUTONG sales@vdiaustralia.com.au

MODEL E12

STANDARD VEHICLE CONFIGURATION

44 x fixed metro type seats in cloth trim, 2 door plus 21 standees
1 x driver's seat with lap sash belt and headrest
Two-piece windscreen
Electronic controlled mirrors with heating
Full electric reverse cycle air conditioning with fixed outlets
Bonded dark glass to saloon area
Steel frame and body panels, full vehicle electro plating for anti-corrosion
Body skirt panels in aluminium
Three-piece front and rear bumper bar in FRP
Reverse camera with colour screen
Integrated audio system with radio, PA
Three destination boards fitted
Seven camera CCTV
Fully opening easy access front panel

DIMENSIONS

Length: 12,470mm
Width: 2,500mm
Height: 3,445mm
Wheelbase: 6,300mm
Overhand Front / Rear: 2,740mm / 3,430mm
Track Front / Rear: 2,050mm / 1,853mm

MASS

GVM (Maximum Permissible) 18 ton

DRIVE SYSTEM

Engine Arrangement: Single rear mounted
Emission Type: Zero
Drive Motor Manufacturer: Yutong
Driver Motor Model: YTZ330XSX-B45
Motor Control System: Yutong
Rated Output: 215kW continuous 350kW peak
Rated Torque: 3200Nm
Rated Type: LiFe *Lithium Iron Phosphate*
Rated Capacity: 422kWh or 350kWh
Battery Management: Yutong
Battery Thermal Management: Liquid
Charge Type: DC
Charger Rate: 60 – 250 amp

ELECTRICAL SYSTEM

Alternator: 24 volt charge from high voltage system
Battery: 2 x 90 AH / MF

SEATING CONFIGURATIONS

44 x fixed metro type seats in cloth trim, 2 door plus 21 standee
49 x fixed metro type seats in cloth trim, 1 door plus 30 standees

INSTRUMENTATION

State of charge, air pressure, speedometer, door state, next stop indication

WARNING SYSTEM

State of charge, air light and audible alarm, indicator light, hazard light, parking brake light, high beam light, door fault

PROPELLER SHAFT

Two-piece with slip joint
Forged ends with 'U' joint at each end

REAR AXLE

Type: ZF AV133
Capacity: 13,000 kg
Gear Ratio: 6.19:1

STEER AXLE

Type: ZF RL82
Capacity: 8,500 kg

WHEEL & TYRE

Type Size: 295 / 80R 22.5
Wheel: Aluminium 8.25 x 22.5 x 10 stud fixing

STEERING

Type: Integral recirculated ball and nut power assisted
Column: Tilt and telescopic

SERVICE BRAKE

Type: Full air
Front: Disc
Rear: Disc
Lining: Non asbestos
Features: Electronic Braking System (EBS), Anti-lock Braking System (ABS), Anti-slip Regulation (ASR), Electronic Stability Control (ESC)
Park Brake: Spring actuated gradual control valve
Auxiliary: Vehicle regenerative braking

SUSPENSION

Type: Air suspension with ECAS
Front: Two air bags
Rear: Four air bags
Shocks: Two front, four rear

SAFETY

ECS, Acoustic Vehicle Alerting System (AVAS), Pedestrian Warning System, Yutong Advanced Driver Warning System



For more information
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