



# E12 series

FULL ELECTRIC | ZERO EMISSION



E12 Series 100% Full Electric Urban Bus

Low energy consumption, zero emissions

Multiple charge solutions for any customer requirements

Ultra-low floor design with wheelchair ramp

Dual wheelchair areas with back stop for passenger safety

Electronic shock and fire resistance

Seats 44 / Standees 30

[vdiaustralia.com.au](http://vdiaustralia.com.au)  
[yutong.com.au](http://yutong.com.au)



# E12 series

## FULL ELECTRIC | ZERO EMISSION

**MODEL**  
E12

**SEAT CONFIGURATIONS**

1 x drivers suspension seat with lap sash belt & head rest  
44 x fixed metro type seats in cloth 2 door plus 21 standees  
49 x fixed metro type seats in cloth 1 door plus 30 standees

**STANDARD VEHICLE CONFIGURATION**

44 x fixed metro type seats in cloth 2 door plus 21 standees  
Two piece windscreen  
Electric controlled mirrors with heating  
Full electric reverse cycle air conditioning with fixed outlets  
Bonded dark glass to saloon area  
Frame & body panels steel full vehicle electro plating for anti corrosion  
Body skirt panels in aluminium  
3 piece front and rear bumper bars in FRP  
Reverse camera with colour screen  
Integrated audio system with radio, PA.  
Passenger door system to TS155 spec  
3 destination boards fitted  
7 camera CCTV  
Fully opening easy access front panel

**DIMENSIONS**

Length	12,470mm
Width	2,500mm
Height	3,445mm
Wheel Base	6,300mm
Overhang Front / Rear	2,740mm / 3,430mm
Track Front / Rear	2,050 mm / 1,853 mm

**GROSS VEHICLE MASS**

GVM (Maximum Permissible) 18,000 kg

**DRIVE SYSTEM**

Engine Arrangement	Single rear mounted
Emission Type	Zero
Drive Motor Manufacturer	Yutong
Drive Motor Model	YTZ330XSY-B45
Motor Control System	Yutong
Rate Output	215Kw continuous 350kw peak
Rated Torque	3200Nm
Battery Type	LiFe
Battery Capacity	422Kwh or 350Kwh
Battery management	Yutong
Battery Cooling	Liquid
Charger type	DC
Charge rate	60-230 amp

**TRANSMISSION** Nil

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

**WARNING SYSTEM** State of charge, air light & audible, indicator light, hazard light parking brake light, high beam light, door fault

**PROPELLER SHAFT** 2 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**  
Tyre Size 295/80R 22.5  
Wheel Aluminium 8.25 x 22.5 x 10 stud fixing

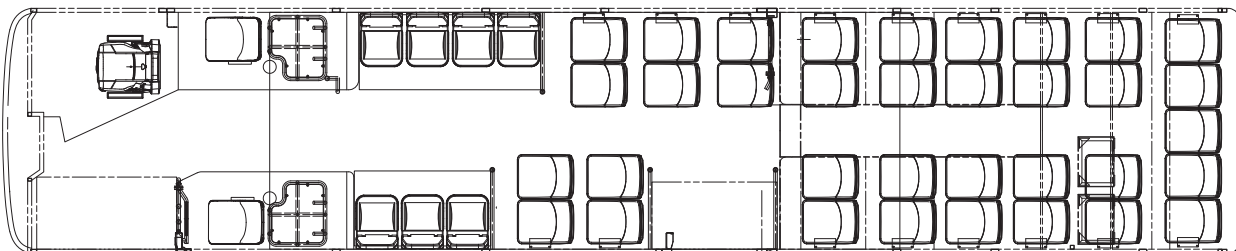
**STEERING**  
Type Integral recirculated ball & nut  
Power assisted  
Column Tilt and telescopic

**SERVICE BRAKE**  
Type Full air  
Front Disc  
Rear Disc  
Lining Non asbestos  
Features ABS, EBS, ASR, ESC  
Park Brake Spring actuated gradual  
Control valve  
Auxiliary Vehicle regenerative braking

**SUSPENSION**  
Type Air suspension with ECAS  
Front 2 air bags  
Rear 4 air bags  
Shocks 2 front 4 rear

**ELECTRICAL SYSTEM**  
Alternator 24v charge from high voltage system  
Battery 2 x 90 AH / MF

**DRIVER SAFETY** ESC  
Mobileye advanced driver warning system



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