

APPENDIX B – PHOTOGRAPH AND VEHICLE SPECIFICATIONS

ZEST Electric Shuttle Bus



Vehicle information and specifications from supplier website



Product Details

Battery	Deep cycle, lead acid battery, Trojan brand, imported
Motor Power	3KW/5KW DC, 7KW AC
Controller	Curtis brand, Series excited, imported
Passenger capacity	8
Range (loaded) based on flat road at a speed of 20km/h (km)	>70 and 110 when it's without gear box
Max. speed(km/h)	42
Minimum turning radius (m)	4.5
Max. climbing ability	20%
Max. lifting weight	640kgs
Overall dimensions (mm)	4230X1490X2050
Ground Clearance (mm)	140
Body and Frame	
Frame	Welded steel framework with sand blasting+paint treatment

Body	FRP
Hard door	Steel frame+laminated FRP cover sheet
Front Windshield	Laminated
Side window	Safety glass
Large Seats:	Sponge + artificial leather, aluminum armrest
Floor	Bamboo board+ rubber
Electric system	
Lighting system and horn	Front: 2 Headlights (High beam and dipped headlight), 2 front turn signals, 2 fog lights; Back: 2 rear turn signals, 2 taillights(position light & brake light), 1 fog light, 1 reverse light), with DC-DC converter (converting from 48V to 12V) , horn.
Dashboard meter	current meter,voltage meter, speedometer
Charger	input 110V-240V~50Hz-60Hz, output 48V, 25A
Steering and Suspension	
Steering system	Single-stage rack and pinion steering system, automatic rocker compensating function
Brake system	4-wheel hydraulic brake + hand brake
Transmission system	Clutch, 4F+1R gear box/transmission shaft/automatic drive system
Front Suspension system	independent suspension, cylinder hydraulic vibration absorber
Rear Suspension system	integrated rear end, steel plate spring suspension, cylinder hydraulic vibration absorber
Wheel & Tyre	4J*12 steel rim, 145/80-R12 6PR tyre, with wheel cover