

Electric Commercial Van Utility (EV-UT)

NRCS approved Commercial Van Body 2 Seat vehicle featuring a 5kW AC drive and all additional safety features allowing road legal use, ideally suited to campuses, small towns, and inner city areas for shorter range deliveries, maintenance, or utility operation.

Our Electric Commercial Van Utility is the only Road Legal Van Body (L7) Electric vehicle built in South Africa.



Model: Melex Commercial Van Body Utility 2 Seater	
Battery	8 X Trojan T105 6V
Motor	5KW AC
Controller	Curtis 1236
Passenger capacity	2
Range based on flat road at a speed of 20km/h (km)	50 Km +-
Max. speed (km/h)	50
Minimum turning radius (m)	4.5
Max. climbing ability (loaded)	18%
Max. movement after brake	≤4m
Overall dimensions	3765x1290x2060mm
Max. loading weight	350kgs
Net weight	860kgs
Van Body Enclosed Load Box Dimensions	1580x1001x900

		Configurations: "S" stands for Standard configuration and "O" stands for Optional configuration
PART DESCRIPTIONS	REMARKS	
Body	Steel framework + plastic front body + Aluminium/fibreglass rear Load body	S
Roof	Fibreglass	S
Windshield	one-piece Laminated glass	S
Wiper and Water Reservoir	1 L reservoir	S
Large Seats:		
1) backrest and cushion	Rebond seat + artificial leather	S
2) armrest	Formed	S
3) seat belts	2 x inertia reel	S
Floor Cover	rubber	S
Uprights/Roll Cage	Carbon Steel, powder coating	S
Dashboard in black plastic finish	forward/reverse switch, battery capacity indicator, ignition key	S
Beverage holders	4 cups drink holders	S
Lighting system and horn	2 headlights, 2 front turn signals, 2 taillights(each combined 1 brake light with 1 turn signal), with DC-DC converter (converting from 48V to 12V), horn.	S
Dashboard and Meters	speed, mileage, headlight indicator, emergency light indicator, turn signal indicator, reverse indicator, forward/reverse switch, battery capacity indicator, ignition key (steering column)	S
Side trim	Aluminium	S
Delivery sheet holder	on steering wheel	S
Towing bracket	on front of cart	S
Battery tray	to protect the battery liquid touching the frame	S
Rear axle	Gear ratio 10.25:1	S
	Gear ratio 12.49:1 optional	O
Battery Watering System	Float caps, tubes, filling coupling	O
Steering system	RHD single-stage rack and pinion steering system, automatic rocker compensating function	S
Brake system	4-wheel hydraulic drum brake + hand brake	S
Accelerator	Stepless speed change	S
Suspension system	Front and rear plate spring + cylinder hydraulic shock absorber	S
Driving mode	Rear axle two stage deceleration, motor direct driving	S
Tyre	12x7 Steel rim, 205/55-12 tyres	S
Reversing alarm	\	S
		S

ACCESSORIES:

Charger	240V~50Hz-60Hz, output 48V, 25A High Frequency	S
	On-Board Mount option	O