

ElectroLegal Hi-Rise Shuttle

Road Legal 4+2 Seat Hi-Rise LWB Passenger Shuttle



Model: Melex Road legal Hi-Rise LWB Passenger	
Battery – Li-Ion 52V Pack or 8 x Lead Acid Trojan 6V	165Ah to 245Ah 7.92kwh
Motor	5KW AC
Controller	Curtis 1236 400A
Passenger Legal capacity + (additional physical)	4+(2)
Range based on flat road at a speed of 20km/h (km)	60 Km +-
Total range based on Li-Ion option subject to Recharge time	100 Km approx
Max. speed (km/h)	50
Minimum turning radius (m)	4.5
Max. climbing ability (loaded)	20%
Max. movement after brake	≤4m
Overall dimensions	3765x1290x2060mm
Max. loading weight	450kgs
Net weight	760kgs
Ground Clearance – Mid Point unloaded	400mm
Wheel Base	2450mm
Optional Solar Panel Roof Mounted and controller	250-300W

		Configurations: "S" stands for Standard configuration and "O" stands for Optional configuration
PART DESCRIPTIONS	REMARKS	
Body	Injection-molded TPO and aluminium	S
Chassis	Welded steel framework with phosphate+electro-coating treatment	S
Windshield	one-piece Laminated Glass with wiper	S
Large Seats:		
1) backrest and cushion	Rebond seat + artificial leather	S
2) armrest	Formed	S
Floor Cover	rubber	S
Uprights and Roof	Steel Roll-cage, fibreglass-molded roof	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	S
Side trim	Aluminium	S
Battery tray	to protect the battery liquid touching the frame	S
Rear axle	Gear ratio12.49:1 (LSD optional)	S
Battery Watering System	(Lead-Acid only) Float caps, tubes, filling coupling	O
Steering system	single-stage rack and pinion steering system	S
Braking system	4-wheel Hydraulic drum brake + hand brake, programmable regenerative	S
Accelerator	Stepless speed change	S
Suspension system	Front Beam Axle with leaf springs and hydraulic shocks, rear leaf spring and hydraulic shock absorbers	S
Driving mode	Rear axle two stage deceleration, motor direct drive coupled	S
Tyres and rims	12x8 steel rim, 24x11-12 Road tyres 4Ply	S
Reversing alarm	\	S

Chargers:

Charger – Lead Acid	240V~50Hz-60Hz, output 48V, 25A High Frequency	S
Charger – Li-Ion	240V~50Hz-60Hz, output 48V, 50A High Frequency	O
	On-Board Mount (Rear)	S