



Melex Electrovehicles Aluminium Chassis 2 Seater Golf Cart

Introduction:

Our all new aluminium chassis golf carts are based on latest technology modular design concepts featuring a light weight all aluminium ladder frame chassis, independent front suspension with adjustable coil-over shocks, rust proof modular battery compartment, GRP plastic panels and mouldings, all aluminium uprights, and the choice of regenerative 3kW AC and 4 kW DC powered drive trains. Optional hydraulic and Electro-Magnetic Brake systems are available along with optional Digital dashboard display.

Battery options include industry standard Trojan 8V and 6V deep cycle battery packs with optional single point watering systems or alternatively the latest technology Li-Ion 4kW and 8kW battery modules allowing quick/fast charging along with 15 year lifespan.

This is a high quality, very cost-effective and low maintenance SWB vehicle for golf, estates, resorts, security villages etc, offered with standard all-in one year warranty .



Specifications DC Model:

Model	Alu Chassis 2 Seater
Battery	6 x T875
Motor	4KW 48V DC
Controller	Curtis Controller 1268
Max Passenger capacity	2 persons
Range (loaded) based on flat road at a speed of 20km/h (km)	55+
Max. speed (km/h)	32
Minimum turning radius (m)	3
Overall dimension (mm)	2410x1180x1800
Max. climbing ability (loaded)	25%
Max. loading weight	270 kgs
Tare weight	465 kgs

Additional Dimensions		
Min. ground clearance (mm)	120	
Wheelbase (mm)	1680	
Front wheel tread (mm)	1010	
Rear wheel tread (mm)	1010	
Detailed Configurations: ("S" stands for Standard configuration and "O" stands for Optional configuration)		

Body and Frame

Chassis/Frame	Aluminium alloy beam	
Body	PP plastic front body + PP plastic rear body	S
Roof	Plastic	S
Windshield	one-piece Organic glass	S
	Windshield, hinged	O
Large Seats:		
1) backrest and cushion	Foamed cushion + formed vinyl (artificial leather)	S
2) armrest	Plastic, black texture finish	S
3) plastic seat bottom	\	S
Floor	Skidproof rubber	S
Dashboard in black plastic	forward/reverse switch, battery capacity indicator, ignition key	S
Towing bracket	on front of golf car	S
Side rear view mirror Enclosure	Two pieces per cart	S

Electric system

Lighting system and horn Reversing alarm	2 headlights (with H/L beam), 2 front turn signals, Front LED position light, 2 LED taillights(each combined 1 brake light with 1 turn signal), with DC-DC converter (converting from 48V to 12V), horn.	S
12V accessory plug	\	O
Charger	On-board charger, input 85V~265V, 45~65Hz, 48V/22A	S

Steering and Suspension

Steering system	Single-stage rack and pinion steering system, automatic rocker compensating function	S
Brake System	Mechanical Rear brakes, Regenerative Motor braking	S
	4-wheel hydraulic brake + hand brake/EM Brake	O
Accelerator	Accelerate,brake&park	S
Suspension system	Front Independant suspension, coil-over shocks, rear leaf spring + hydraulic shock absorber	S
Driving mode	Rear axle two stage deceleration, motor direct	S
Rear axle	Integrated, Gear ratio12.76:1	S
Wheel Rim and Tyres	6J-10 Alloy wheel 205/50-10 4PR	S
Colour Options:	Champagne Coca cola red Metallic green Navy blue Pure white Pure black 	

