

ElectroFarm Utility

2 Seater Hi-Rise Farm Utility



Model: Melex 2 Seater Hi-Rise Farm Utility	
Battery – 52V LFP Li-Ion	110A 5kWh to 277Ah 14.4kWh
Motor	6.3KW AC
Controller	EVolution 400A or equiv
Passenger capacity	2
Range based on flat road at a speed of 20km/h (km)	
• Std 52V 5kWh 110A Li-Ion LFP Battery Pack	40-50 kms
• BC 52V 206A 10.7kWh Li-Ion LFP Battery Pack	90-100 kms
• BC 52V 277A 14.4kWh Li-Ion LFP Battery Pack	130-140 kms
Max. speed (km/h)	35
Minimum turning radius (m)	3.6
Max. climbing ability (loaded)	30%
Max. movement after brake	≤4m
Overall dimensions	3000x1400x2000mm
Max. Towing weight	500kgs
Net weight (6.25kWh Li-Ion spec)	465kgs
Ground Clearance – Mid Point unloaded	400mm
Wheel Base	1890mm
Load Bed Dimensions	1170x1170x250mm
Front/Rear Wheel Track	1000/1025mm

	Configurations: "S" stands for Standard configuration and "O" stands for Optional configuration	
DESCRIPTIONS	REMARKS	
Body	Injection-molded TPO and aluminium	S
Chassis	Hot-dip Galvanised steel	S
Windshield	one-piece shatterproof Glass (optional 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 uprights, injection-molded roof	S
Beverage holders	4 cups drink holders	S
Lighting system and horn	2 headlights, 2 front turn signals, 2 taillights and turn indicators, with DC-DC converter (converting from 48V to 12V), 12V horn.	S
Dashboard and Meters	emergency light indicator, reverse beeper, forward/reverse switch, battery capacity indicator, ignition key, USB charge ports and 12V power port, Hi and Lo speed switch	S
	Speedo with turn signals and hand brake indicator	O
Side trim	Aluminium	S
Rear axle	Gear ratio 12.49:1 (LSD optional)	S
Rear Access	Tipping Load bed for easy motor and controller access	S
Steering system	single-stage rack and pinion steering system	S
Braking systems	4-wheel Hydraulic Disc/Drum brake + hand brake, programmable electric regenerative motor braking	S
	Electro-Magnetic hand brake	O
Accelerator	Stepless speed change	S
Suspension system	Front independent A arm with coil over shocks, rear leaf spring and hydraulic shock absorbers	S
Driving mode	Rear axle two stage deceleration, motor direct drive coupled	S
Tyres and rims	14x7" Aluminium rim, 23x10-14" off-road tyres 4Ply	S
	10x7" Aluminium rim, 22x11x10" off-road tyres 4Ply	O
Reversing alarm	\	S

Chargers:

Charger – On-board	240V~50Hz-60Hz, output 48V, 25A Li-Ion High Frequency	S
Charger – Wall mount	240V~50Hz-60Hz, output 48V, 50A Li-Ion High Frequency	O
	NB: Wall mount unit requires Single phase dedicated Isolator	

