

## ElectroFarm Utility

2 Seat Hi-Rise Farm Utility



<b>Model: Melex 2 Seater Hi-Rise Farm Utility</b>	
Battery- Lead Acid 48V	<b>8 X Trojan T125 6V</b>
Battery – Li-Ion 48V	<b>Up to 165Ah 7.92kwh</b>
Motor	<b>6.3KW AC</b>
Controller	<b>Curtis 1232S 400A</b>
Passenger capacity	2
Range based on flat road at a speed of 20km/h (km)	60 Km +-
Total range based on Hybrid option subject to terrain	100 Km approx
Max. speed (km/h)	30
Minimum turning radius (m)	4
Max. climbing ability (loaded)	30%
Max. movement after brake	≤4m
Overall dimensions	3000x1400x2000mm
Max. loading weight	545kgs
Net weight	590kgs
Ground Clearance – Mid Point unloaded	400mm
Wheel Base	1630mm
Load Bed Dimensions	1170x1170x250
Optional Hybrid Generator Range Extender	3kW
Optional Solar Panel Roof Mounted and controller	250-280W

		<b>Configurations: "S" stands for Standard configuration and "O" stands for Optional configuration</b>
<b>PART DESCRIPTIONS</b>	<b>REMARKS</b>	
Body	Injection-molded TPO and aluminium	S
Chassis	Hot-dip Galvanised steel	S
Windshield	one-piece polycarbonate (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( each combined 1 brake light with 1 turn signal), with DC-DC converter (converting from 48V to 12V), horn.	S
Dashboard and Meters	headlight indicator, emergency light indicator, turn signal indicator, reverse indicator, forward/reverse switch, battery capacity indicator, ignition key, high and low power switch	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
Rear Access	Tipping Load bed for easy motor and controller access	S
Battery Watering System	Float caps, tubes, filling coupling	O
Steering system	single-stage rack and pinion steering system	S
Braking system	2-wheel mechanical drum brake + hand brake, programmable regenerative	S
	4 wheel Hydraulic Brakes Disc Front/Drum Rear	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 driving	S
Tyres and rims	10x7 Aluminium rim, 22x11-10 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