

MALAYSIA'S FIRST EV TRACTOR



TERRAGLIDE EV40



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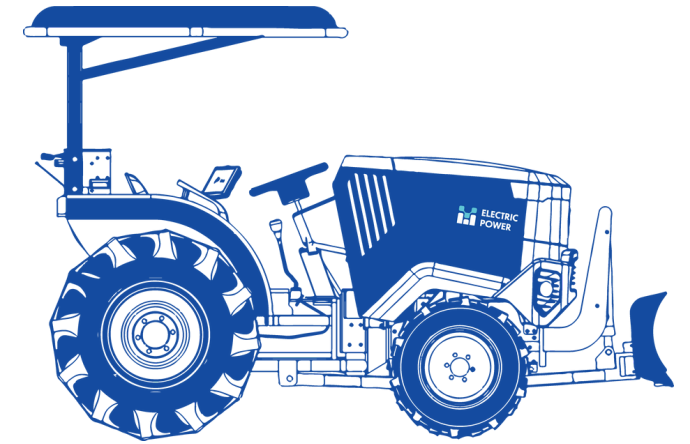


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Mid-Sized Electric Tractor, Strong Power, Reduces Operating Costs by Over 50%, Suitable for Farming and Plantation Work. Environmentally Friendly and Futuristic Design. Water and Dust Protection Level IP65.

Introducing TerraGlide EV40 - Malaysia's First Electric Tractor

MKR proudly presents TerraGlide EV40, the first Malaysian-made electric tractor designed to revolutionize farming and plantation work. This mid-sized powerhouse offers farmers more than just machinery; it delivers high performance while cutting operational costs by over 50%. With zero CO2 emissions, the TerraGlide EV40 is built for a sustainable future.



Here's how TerraGlide EV40 precisely reduces your carbon footprint with 1,500 hours of operation per year:

- 0% CO2 emission
- 28.34 ton CO2 emission reduction
- 0 MWh power consumption



Power Meets Efficiency

Equipped with a 60-horsepower electric motor and 220Nm of torque, the TerraGlide EV40 guarantees strong, consistent power. Its 48 kWh battery allows 4-6 hours of uninterrupted operation on a single charge, and with fast-charging technology, you're back to work quickly. TerraGlide ensures maximum energy efficiency, significantly reducing energy loss compared to diesel tractors.



Designed for the Future

More than just a tractor, TerraGlide is a smart, adaptable tool for modern farming. Its auto-steering system and route memory capabilities ease your workload, while the air-conditioned cabin and infotainment display ensure a comfortable experience. With IP65-rated water and dust protection, it's built to endure the toughest conditions.



Power on the Go

TerraGlide EV40 features an inverter mode system that provides 220V electricity, turning your tractor into a portable power bank for farm tools and appliances.



Futuristic and Versatile

Built with a sleek, environmentally friendly design, TerraGlide EV40 also includes lighting for low-visibility conditions, ensuring you can work anytime, anywhere.



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MODEL: TERRAGLIDE EV40	TG 40 C	TG 40 CS	TG 40
Driving Component	Electric Motor		
Rated Power (kW)	30 kW		
Battery Energy (kWh)	48 kWh		
Continuous Torque (Nm)	90 Nm		
Maximum Torque (Nm)	220 Nm		
Working Speed Range (rpm)	0-3,200 rpm		

TRANSMISSION	TG 40 C	TG 40 CS	TG 40
Synchro-Shuttle Shift	Mechanism		Main Gear: Constant Mesh Gear: Synchro Shuttle

FRONT AXLE	TG 40 C	TG 40 CS	TG 40
Front Axle Class	Class HD Full Seal Multi Link		

REAR 3-POINT LINKAGE	TG 40 C	TG 40 CS	TG 40
Category	1		
Draft Control	N/A		
Maximum Lift Capacity @ Ball Ends (Kg)	906 Kg		
Maximum Lift Capacity @ Ball Ends with 1 standard auxiliary ram (Kg)	615 Kg		

ACT ROOF AND AUTO STEERING	TG 40 C	TG 40 CS	TG 40
MKR - TP ROOF	○	○	×
MKR AC CABIN	×	×	○
220V AC Output	×	○	○
Infotainment Display	×	×	○
Auto Steering GPS	×	○	○

FRONT DOZER	TG 40 C	TG 40 CS	TG 40
Dozer Width (mm)	1,590 mm		
Dozer Levelling Mechanism	Hydraulic		

TRANSMISSION SYSTEM	TG 40 C	TG 40 CS	TG 40
Number of Gears (Forward/Reverse)	8 forward gears, 8 reverse gears		
Gear Change System	Synchro Shuttle		
Steering System	Power Steering		
Clutch System	Single Dry Clutch		
Brake System	Wet Disc Break		

HYDRAULIC SYSTEM - PTO	TG 40 C	TG 40 CS	TG 40
Lift arm control system	Position Control		
3-point equipment lift arm	According to SAE standard number 1 (Category I)		
Hydraulic pump oil flow rate	23.9 liters/minute		
Maximum lifting weight at the end of the lifting arm (Kg)	906 Kg		1053 Kg
PTO speed in 1st gear (rpm)	540/2376 rpm		540/2268 rpm
PTO speed in 2nd gear (rpm)	750/2597 rpm		750/2348 rpm

SIZE DIMENSION	TG 40 C	TG 40 CS	TG 40
Tractor Length (Not including front dozer) (mm)	2,920		3,200
Tractor Width (mm)	1,422		1,495
Tractor Height with Cabin & MKR roof (mm)	2,335		
Rear Wheel Size (mm)	1,120		1,155 / 1,225
Model with adjustable wheelbase - Rear wheels (mm)	1113/1197/1297		1155/1225/1320/1350/1445
Distance between front and rear wheels (mm)	1610		1925
Minimum travel speed with IR700 rear tires (km/hr)	2.0-25.1km/hr		2.5-29.7 km/hr
Maximum travel speed with IR700 rear tires (km/hr)	2.0-25.1km/hr		2.4-26.1 km/hr
Lowest level from the floor (mm)	355		400
The narrowest turning radius (m)	2.5		2.65
Vehicle Weight (not including front dozer) (Kg)	1,820 Kg		2,250 Kg

CHARGER AND WARRANTY	TG 40 C	TG 40 CS	TG 40
3KW AC Adapter Charger	×	○	○
Charger Socket Type	CCS 2 COMBO		
Low Voltage Lithium Battery	LFPA 12V 32A		
AC Charging (CCS2)	6.6 kW		
DC Fast Charging	50 kW		
Warranty Tractor	1,500 hours or 2 years		
Warranty Battery	3,500 cycles		

COMPETITIVE COMPARISON OF TERRAGLIDE EV40 AND CONVENTIONAL TRACTOR

TERRAGLIDE EV40	ICE Tractor (Internal Combustion Engine)
Reduces noise pollution	High noise pollution
0% CO2 emission	CO2 emission
Electricity as energy input	Fossil fuel as energy input
Delivers higher torque and energy to the wheels	Greater torque and energy losses to the wheels
Reduce 50% operating cost	High operating cost
Able to control operation remotely and digitally	Manually controlled operation