



Up to 300 kilometres
of range in this
workhorse.

FG Hybrid Trike

With 4kw motor capacity and the seating capacity of up to six, this workhorse of a Tuk-Tuk has the added benefit of a small combustion engine to extend the range from 80km with full load up to an amazing 300km.

The extender motor does not power the vehicle but generates power to trickle feed the battery once the battery levels deplete into recharge mode.

The Hybrid is available in both standard and Lithium Ion battery models, lithium option adding approximately 20% to the



standard battery range. Both models have complimentary solar roofing to add a further dimension in the form of further extending the range by approximately 18km. Either model represents the best of all worlds, combining electricity and solar with a small combustion back up to use as and when required.

Simply stated, it just makes sense.



Star8 International

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Specifications

	Hybrid Tricycle	Hybrid Tricycle Lithium
Overall Dimensions	2652x1300x1950mm	2652x1300x1950mm
Tyre Size	4/12inch	4/12inch
Wheel Base	1838mm	1838mm
Wheel Track	1098mm	1098mm
Ground Clearance	160mm	160mm
Seat Capacity	6 Adults / 500kg	6 Adults / 500kg
Turning Radius	3.5m	3.5m
Breaking Distance	16m	16m
Climbing Capacity	12%	12%
Curb Weight	390kg	390kg
Max. Speed	47km/h	47km/h
Electric Power Range	80km	100km
Motor	60V4kW	48V4kW
Average Power Consumption	9kw.h/100km	7.6kw.h/100km
Charger	60V10A	51.2V10A lithium dedicated
Battery	12V120Ah*5pcs	48V150Ah Lithium battery
Charging Time	6-10h	6-10h
Controller Type	Brushless motor controller	Brushless motor controller
Brake Type	Front drum brake / Rear hydraulic brake	Front drum brake / Rear hydraulic brake
Suspension	Spring and hydraulic	Spring and hydraulic
Range Extender		
Generator Power	2.5kW	
Rotating Speed	3600rpm/min	
Torque	49NM	
Fuel Tank Capacity	10L	
Economy Fuel Consumption	3L/100km	
Solar Charging Component		
Max Power (Pmax)	440W	440W
Max Power Voltage (Vmp)	79.2V	72.8V
Max Power Current (Imp)	5.56A	6.04A
Open Circuit Voltage (Voc)	93.6V	84.0V
Short Circuit Current (Isc)	5.95A	6.22A
Series Fuse Rating	10A	10A
Qty of PV-modules in use	4pcs	4pcs
Net Weight of PV-module	3.5kg	3.5kg
Module Efficiency	16.67%	16.67%
Addition Range with Solar Charger	Approx 15 km	Approx 18 km



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