

Solar Driven Electric Tricycle Cargo



We have recognized that we need to think differently and more efficiently. Our vision is to develop and manufacture truly sustainable products that the big majority of the world's population can afford. This philosophy is based on reinventing every part of the product through multifunctional design, simplification and with a clear light-weight approach.

Our first product,, is a light electric three-wheeled high end passenger vehicle that comes in two versions; with a solar hybrid or with a battery. Nordische benefits from its low weight and high efficiency to meet the transportation and logistics needs of the 21st century.

Nordische Technologies is bringing world class vehicle Engineering technology for development of both urban and rural mobility solutions. The vehicle incorporates all the latest technology available in this category.

This is completely sensor driven next generation vehicle understanding the transportation regulation around the world.

Eco-friendly and Quiet: Solar-powered vehicles have zero emission level, as they don't utilize non-renewable resources and burn fuel. The electric motors generate electricity that doesn't emit any greenhouse gases or any other pollutants. These vehicles are quieter than the vehicles powered by conventional fuels, which don't cause noise pollution as well.

Energy Availability: Solar vehicles derive their power from the sun, indirectly, that always shines and provides endless energy. The efficient solar panels can produce and store more horsepower for the vehicle.

No Fuel Costs: Unlike the conventionally fueled vehicles, solar vehicles have no fuel costs and a low cost of maintenance.

Driving Comfort: Having aluminum and lightweight components, the solar-powered vehicles run faster.

Nordische Technologies assisted product is probably first completely solar powered three wheelers available in the commercial market in this category. Its custom made 500W solar panel is completely driving the power train (motor) without any need of battery power. Standalone 4x100AH batteries are available for any kind of emergency situation like night time driving or due to bad weather when enough sun energy is not available



NORDISCHE

MOBILITY REDEFINED



Technical Specifications

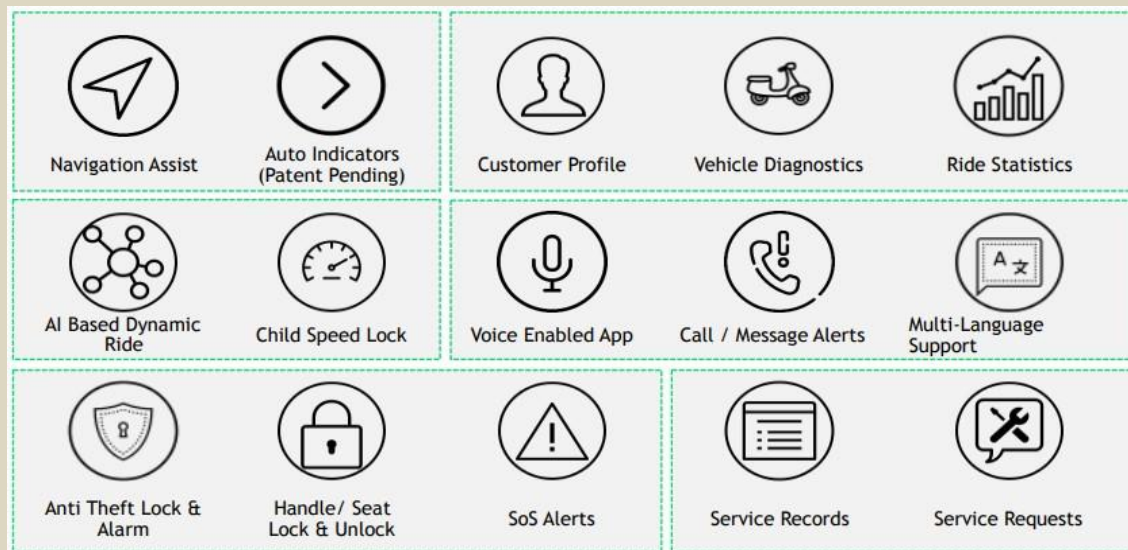
Vehicle Dynamic	Vehicle Model	N3TCC001	
	Kerb Weight	150 Kg	
	Payload	170 Kg	
	Gross Vehicle Weight (GVW)	320 Kg	
	Tyre	2.5 – 16, 6PR	
	Vehicle Length	2696 mm	
	Vehicle Width	1044 mm	
	Vehicle Height	1770 mm	
	Wheel Base	1997 mm	
	Ground Clearance	236 mm	
Performance	Maximum Speed	25 km/ph	
	Time to reach maximum speed	10 sec	
	Gradient	10°	
	Expected Range	60 km	
	Front Brake	Drum Brake	
	Rear Brake	Drum Brake	
Lights	Head Light	12V 35W Lamp	
	Front Indicator	12V LED	
	Tail Light	12V Combination LED	
Cargo Box with Solar Panels	Cargo Box Length	1050 mm	
	Cargo Box Width	900 mm	
	Cargo Box Height	1000 mm	
	Maximum Cargo Weight	100 Kg	
	Effective Cargo Box Volume	30 ft ³	
	Semi Flexible Solar Panels	2 Nos - 800 mm x 800 mm	2 x 95WP
	2 Nos - 800 mm x 1000 mm	2 x 140WP	
Electronics	Voltage System	48V	
	Motor Continuous Power	650 W	
	Motor Peak Power	1000 W	
	Motor Continuous Torque	2.07 Nm	
	Motor Peak Torque	13.5 Nm	
	Battery Type	Lead Acid	
	Battery Pack	4 x 12V 35Ah*	

The following sensors are available for various measurement

- LiDAR
- Pressure
- Temperature
- Humidity
- Voltage
- Current
- Speed

Also other host of sensors for Battery and solar panel maagement.

ILLUSTRATIVE FEATURES OF THE VEHICLE

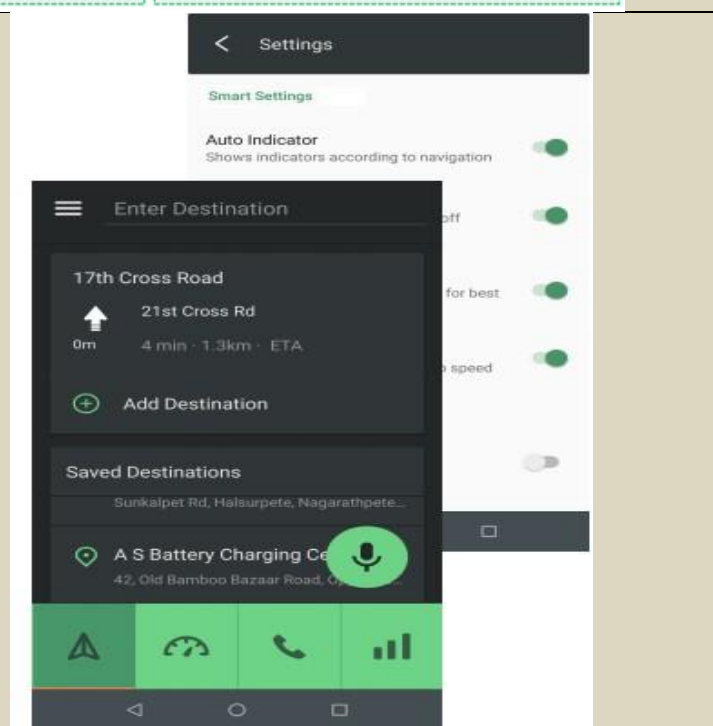


Navigation Assist

- Turn by Turn Navigation on Speedometer*
- Integrated maps (Google / MMI / Open Source Maps)
- Voice from phone
- Option for saving frequent locations
- Nearest fuel/charging station

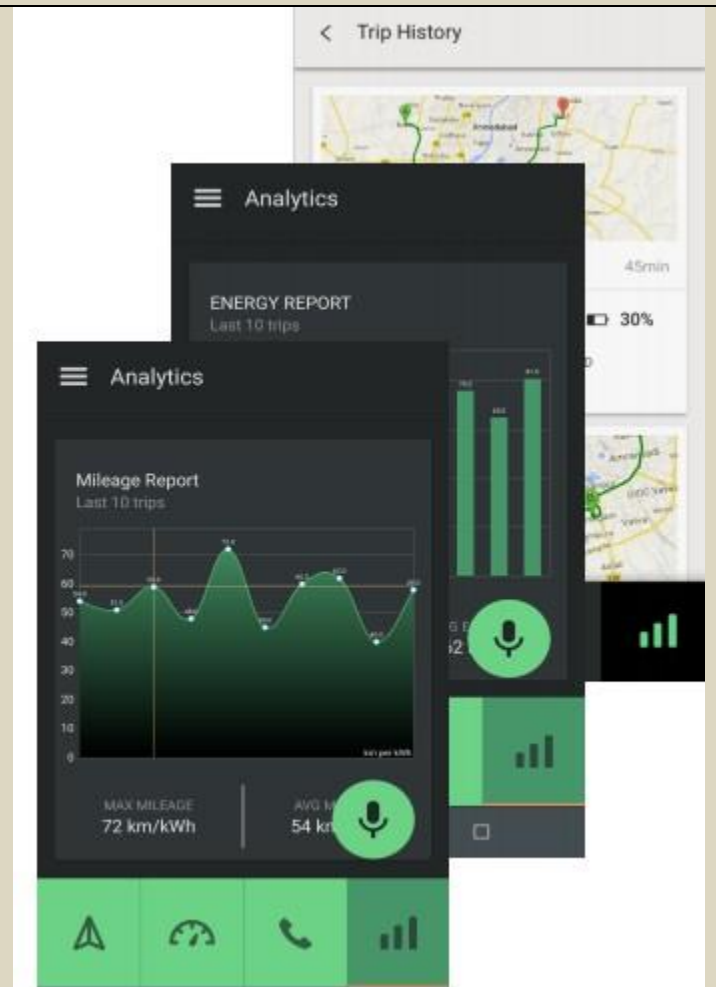
Auto Indicators

- Automatic Indicators before upcoming turn
- Switch off indicators after turn



Ride Statistics

- Mileage Report*
- Energy Report (Needs Compatible Controller)
- Day to Day usage Report Vehicle Diagnostics
- Diagnostics of various components of vehicle*
- Errors displayed on Compatible Speedometer, app and cloud
- Vehicle details like battery power, range prediction etc.
- ECU /Controller Error Details on Speedometer Device, app and dashboard*
- Full remote X-ray of the vehicle*

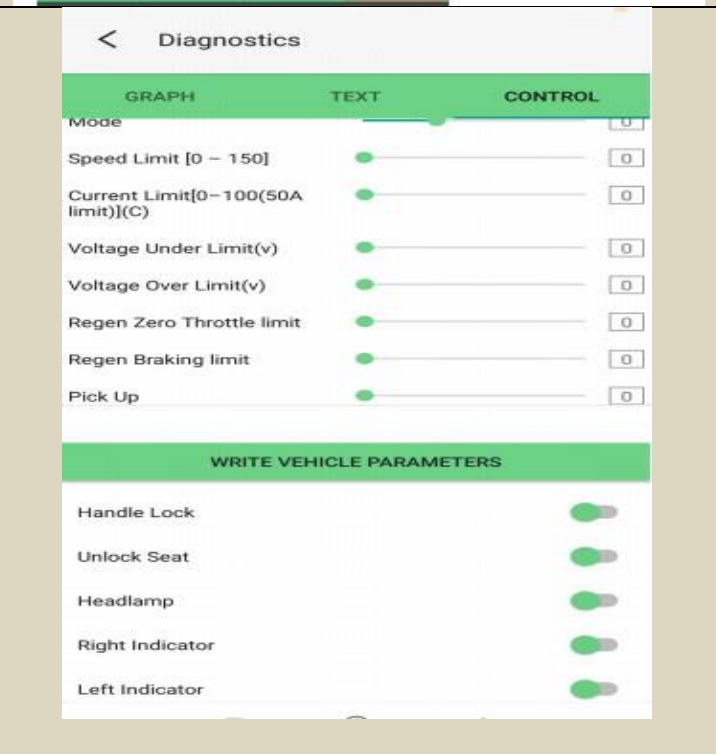


Antitheft Lock and Alarm

- Anti-Theft Alarm with horn on tampering vehicle
- Alarm ON/OFF from app
- Alarm sensitivity change from app
- Flashing of lights and indicators on tampering the vehicle
- App Based no key unlocking and ignition on of vehicles.

Handle & Seat Lock/Unlock

- Handle Lock / Unlock from App
- Seat Lock / Unlock from App



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