Institute of Electrical Drives and Machines KOMEL offers professionally designed conversion kit for electrification of combustion engine vehicles

sale of license, technical documentation and bill of material

Fiat Panda E-Kit Main Technical Specifications:

✓ Driving range up to 140 km,
✓ Max speed 150 km/h,
✓ Battery: 15 kWh nanophosphate lithium-ion battery,
✓ Battery layout: 3 x 5 kWh modules, under rear baggage compartment floor (instead of fuel tank) behind rear seat, over electric motor in engine compartment,
✓ Max motor power 60 kW,
✓ Max motor torque 180 N·m,
✓ On-board charger and 3-phase grid: less than 2 hours for 80% charge (charging power 6 kW),
✓ On-board charger and 1-phase 230 V grid: about 5 hours (charging power 3 kW),
✓ Electrical heating and air conditioning system.

Main advantages of conversion into pure electric vehicle:

✓ Very low cost of driving, about 1 Euro per 100 km,
✓ Very quiet operation, no noise generated by electric drivetrain,
✓ No vibrations from drivetrain and more comfortable driving.
Fiat Fiorino + E-Kit = All Electric City Van Vehicle

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Fiat Fiorino E-Kit Main Technical Specifications:
- Driving range up to 150 km,
- Max speed 150 km/h,
- Battery: 20 kWh nanophosphate lithium-ion battery,
- Battery layout: 4 x 5 kWh modules, under cargo compartment floor (instead of fuel tank), inside cargo compartment, over electric motor in engine compartment,
- Max motor power 90 kW,
- Max motor torque 180 N·m,
- On-board charger and 3-phase grid: less than 2 hours for 80% charge (charging power 9 kW),
- On-board charger and 1-phase 230 V grid: about 7 hours (charging power 3 kW),
- Electrical heating and air conditioning system.

Main advantages of conversion into pure electric vehicle:
- Very low cost of driving, about 1 Euro per 100 km,
- Very quiet operation, no noise generated by electric drivetrain,
- No vibrations from drivetrain and more comfortable driving.

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