HPEV.INC
Energy Efficient, Market Driven

HPEV MG55

A GAME-CHANGER IN

MOBILE POWER

POWER UP PERFORMANCE

HPEV's Level II/CHAdeMO mobile electric vehicle battery charging solution allows electric vehicles to be recharged anytime, anywhere — all in an efficient and environmentally friendly manner. *This changes the game.*

AT ONLY **1,005 LB**, LOOK TO THE HPEV MG55 TO DELIVER **53 kVA/42.4 kW** OF PERFORMANCE.

BENEFITS

1,600-lb weight savings compared to a tow-behind generator

All under-chassis implementation allows the truck to tow a trailer

Fully functioning generator panel — just like a tow-behind generator

Lower initial purchase price than a tow-behind generator

3-phase and 1-phase power output

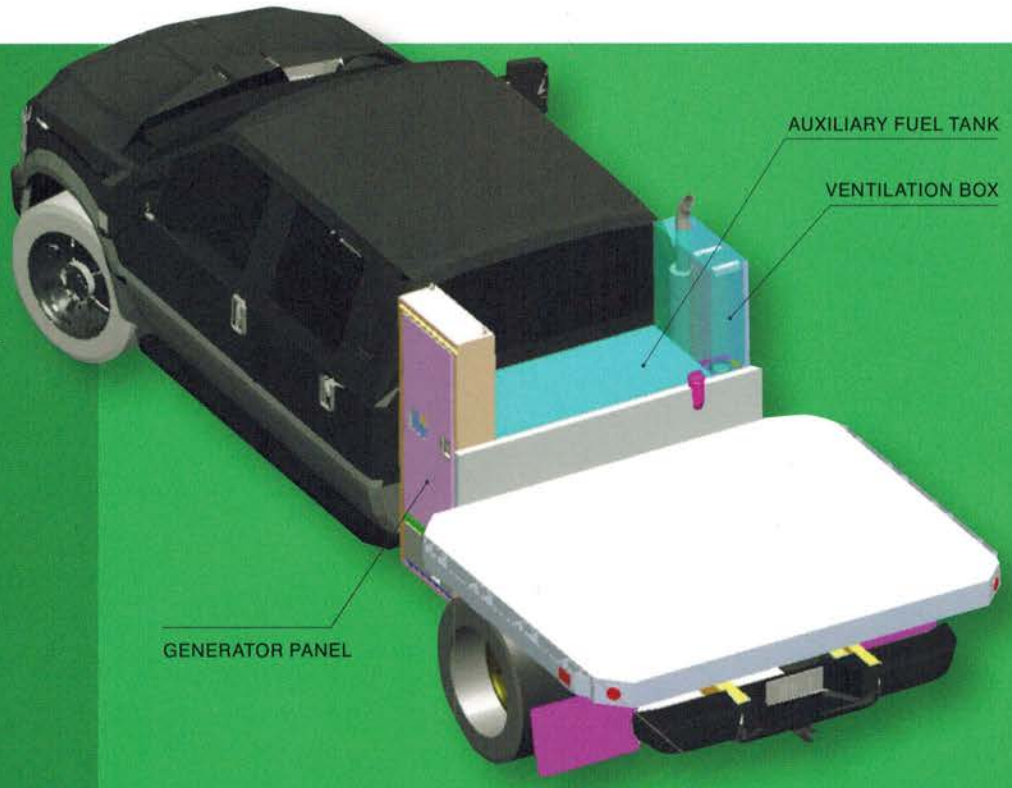
Optional telematics

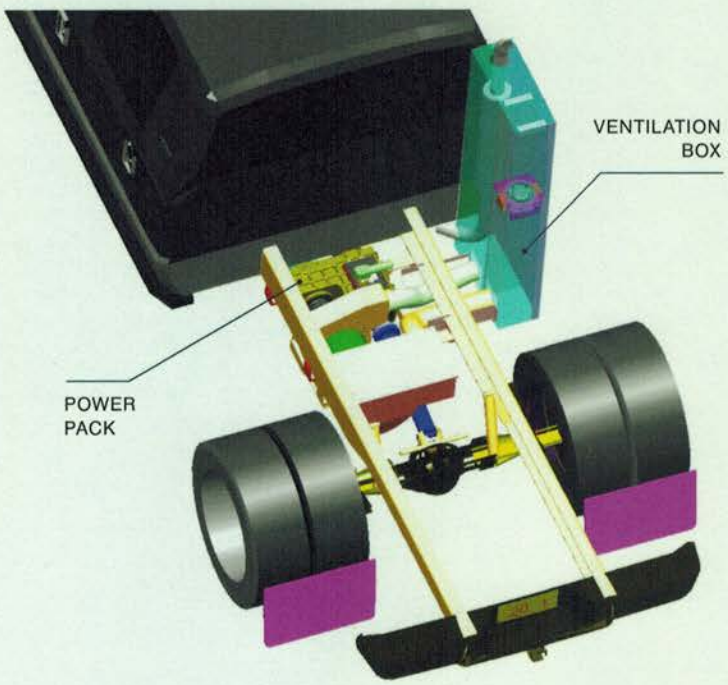
Sophisticated digital controller

All vehicles can be modified: new and used, 2 x 4 and 4 x 4, all transmissions, diesel and gasoline engines

KEY FEATURES

- Designed for Class 2 through Class 5 chassis cab trucks
- Provides for maximum bed space — 7' usable on a truck designed for a 9' flatbed (i.e., 60" cab-to-axle)
- Auxiliary fuel tank (part of the MG kit) provides long operation while generator under load.
- Generator panel — full-feature generator panel is similar to a tow-behind generator. However, this generator panel has a superior user interface via a touchscreen Human Machine Interface (HMI).



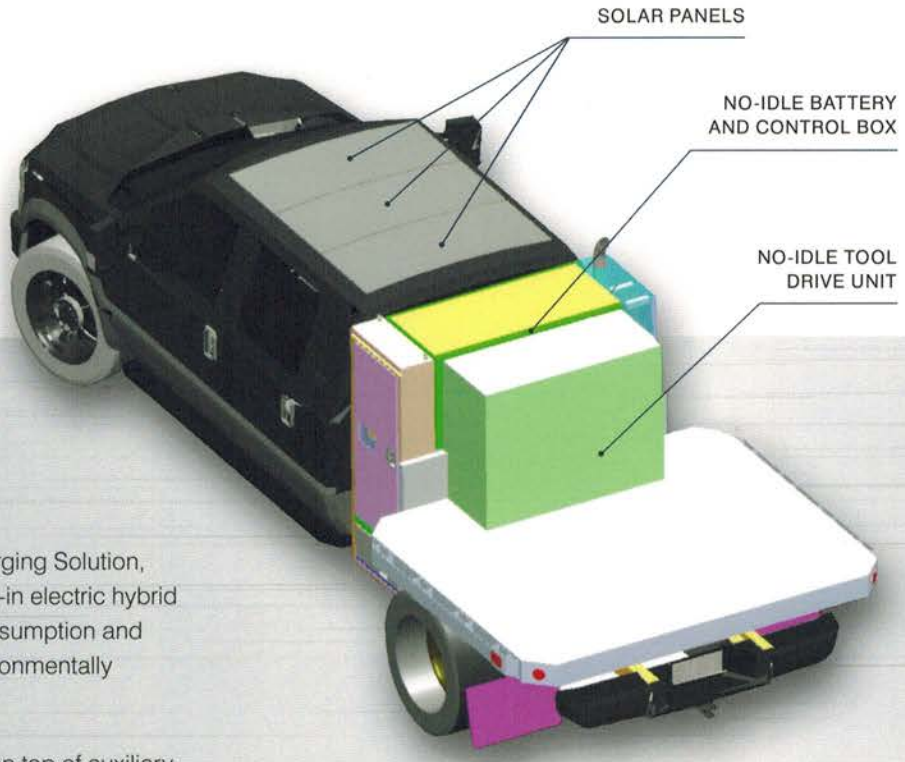


POWER PACK

- Generator head: Salient 4-pole synchronous alternator
- Patent-pending Parallel Power Input Gearbox (PPIG): Receives power from output of the vehicle transmission and transmits it to either the rear axle or the generator
- Inlet/exhaust ducts: Integrated into cast aluminum generator bearing housings and enable pipe-ventilated generator to be cooled by clean above-cab air
- Automated rotary switch: Switches generator output voltage. It is controlled via a controller in the generator panel and housed in the intake bearing housing.

VENTILATION BOX

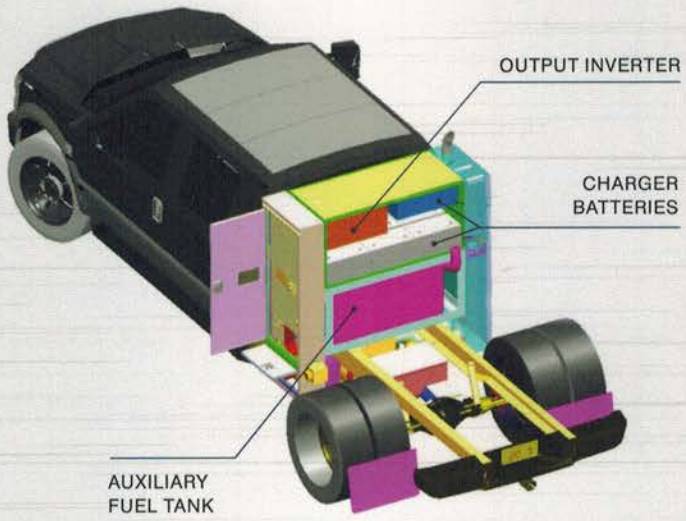
- Routes cool intake air to the generator intake. Air is pressurized in the ventilation box to ensure proper generator ventilation.
- Exhaust from the generator flows into the exhaust portion of the ventilation box. The generator exhaust cools the vertical vehicle exhaust pipe.



NO-IDLE OPTION

As an optional add-on to HPEV's Mobile Charging Solution, HPEV's No-Idle Solution is an integrated plug-in electric hybrid (PHEV) system that not only reduces fuel consumption and maintenance costs but also provides an environmentally friendly solution to anti-idling legislation.

- No-idle battery and control box sit directly on top of auxiliary fuel tank. They are controlled by the MG system controller, which is housed in the generator panel.
- The no-idle battery and control box house the batteries, output inverter, battery charger and all the associated wiring.
- Solar panels, up to 40 sq ft provide 500 W of charging under peak conditions. These panels are placed directly on the roof of the truck and on top of the no-idle battery and control box.
- No-idle Tool Drive Unit (TDU) houses air compressor/tank and hydraulic pump/tank. The TDU box takes up 24" x 48" of bed space. This enables exportable, pneumatic and hydraulic power without operating the vehicle engine.
- The output inverter provides exportable power to the MG system generator panel or the TDU.



Find out more.
HPEV has a better answer in mobile power. A game-changing answer. Contact us today for more information.

ENERGY EFFICIENT.
MARKET DRIVEN.