# HGV Variable Hydraulic Generator System

DYNASET HGV Variable Hydraulic Generator System converts a mobile machine’s, vehicle’s or vessel’s engine power through a PTO into high quality electricity.

Electricity

**HGV VARIABLE HYDRAULIC GENERATOR SYSTEM**

## Key Benefits

The variable hydraulic generator system is designed to produce electricity in mobile use, even while driving. The system has great benefits.

* Completely customizable electric power solution
* The system powers any electric appliance in mobile use
* Produces electricity also while driving
* Always ready for use
* Saves time, space and resources
* Easy installation on all hydraulic systems
* Small carbon footprint
* Two-year or 2000 hour warranty

## Features

The customizable system includes a HG Hydraulic Generator, a cooler, an oil tank, regulation valves and a variable hydraulic pump which is optimized for the system. The system has great features.

* Standard models generate high quality electricity with the output power up to 80 kVA for all AC-powered electric appliances.
* DYNASET automatic frequency control regulates the frequency exactly to 50 or 60 Hz depending on the model.
* Automatic voltage control maintains voltage at steady level according to electric load.
* The HG Hydraulic Generator operates with a compact hydraulic motor
* Low operating sound due to silent hydraulic motor
* Compact size
* Light-weight
* Reliable
* Flexible installation
* No extra engine
* No fuel tank
* No exhaust pipe
* High quality coil parts
* Standard models with NEMA 3 rating
* Standard models with IP23 and IP54 protection classifications
* CE marked
* Overload protection
* Safety earth leakage relay
* Residual current circuit breaker.
* 3 or 5 pin sockets as standard
* Auxiliary electric central available

## Applications

* Electric tools
* Lights
* Heaters
* Coolers

## How Does the Variable Hydraulic Generator System Work?

The variable hydraulic generator system utilizes a machine’s, vehicle’s or vessel’s engine power through a PTO as power source to produce high quality electricity for mobile use.

1. The system takes power off from the vehicle’s engine or transmission PTO to a variable hydraulic pump which produces hydraulic oil flow
2. Hydraulic oil flow is led to the hydraulic generator’s integrated hydraulic motor through the pressure line
3. The hydraulic generator converts the hydraulic oil flow and pressure into electricity
4. The hydraulic oil is led back to the vehicle’s hydraulic oil tank through the return line