



## **3in1 LEV Power Manager: HGPowder GmbH introduces combination of on-board charger, DC/DC converter and power distribution unit (PDU)**

HG Power launched an exciting innovation in power management for electromobility. The "3-in-1 Power Manager", a newly developed combination of On-Board-Charger (OBC), DC/DC converter and the power distribution Unit (PDU) as a complete unit, allows a fast and cost-effective integration of power relevant components to an EV.

This solution offers many advantages for electrification of a vehicle compared to single components. The customer receives a harmonized power module, which allows quick and easy system integration. Combining the various devices in a single housing eliminates the need for high cost power connectors and control cables between the single components. This reduces potential sources of error and offers the user economic benefits by eliminating connectors and cables and simplifying assembly as well as service. Other positive side effects are a lower system weight compared to separate components and a reduced overall space requirement. Especially in electromobility, this represents enormously important and interesting factors.

The HGPowder 3in1 LEV Power Manager is integrated into the vehicle communication via a CAN 2.0 interface. With an output power of 6.6KW, the system is suitable for single-phase power supply at the house lateral. The DC/DC converter with an output power of up to 2.000W at 5V, 12V and 24V DC provides enough power to supply system components. The HGPowder "3in1 Power Manager" is perfect for use in LEV's (such as e-scooters, electric boats, industrial trucks), AGV's, etc. If required, the electrical parameters and the software of the "3in1 Power Manager" can be adapted to customer-specific requirements. Models with other output power and system size are currently under design. The experienced team of HGPowder GmbH supports you professionally for the system integration in your application.