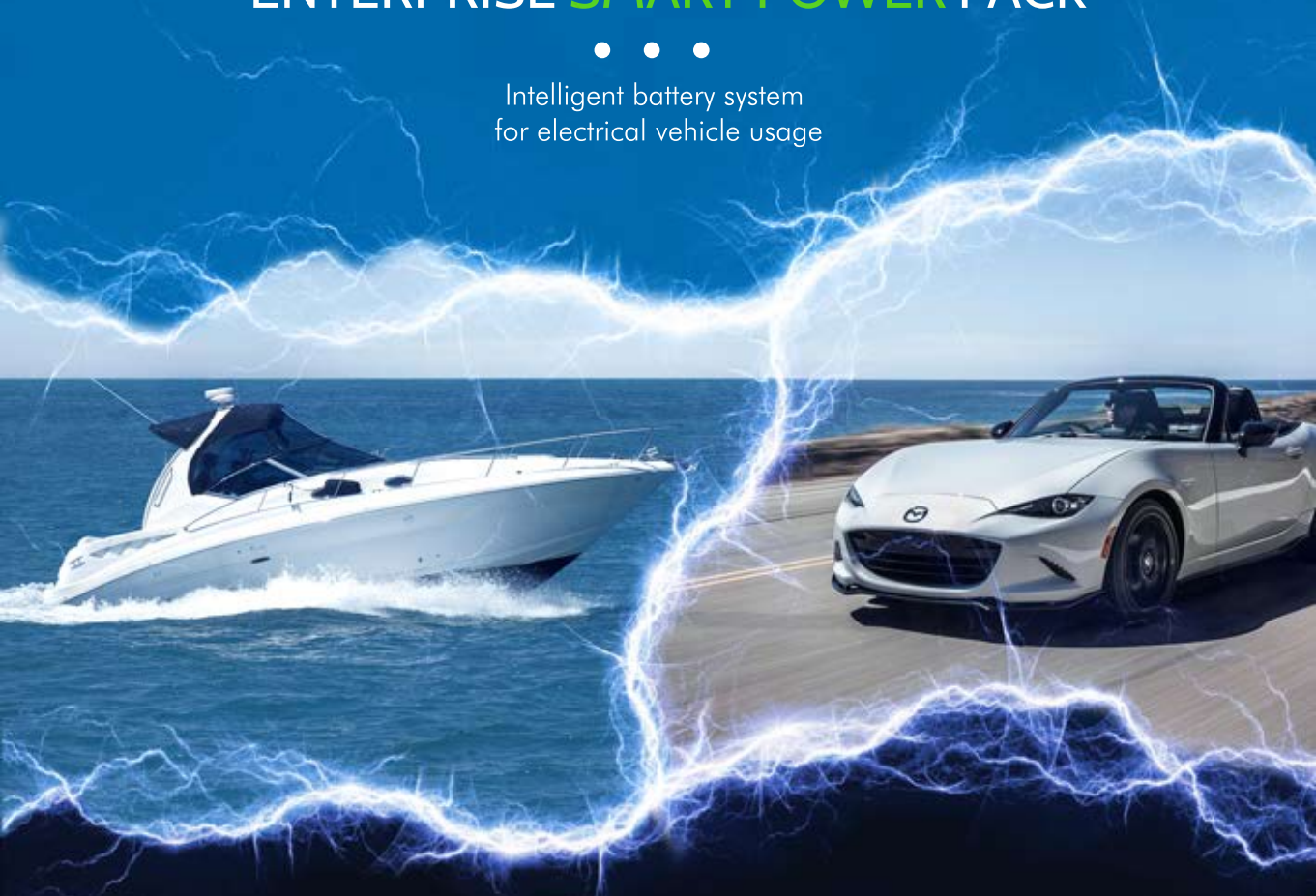


ENTERPRISE SMART POWER PACK



Intelligent battery system
for electrical vehicle usage



Enterprise
Smart Power
lithium technology *easily*



Our development provides the benefits of the lithium-based battery technology to any electric vehicle manufacturer, whether it is an electric hobby car, electric powered watercraft or a golf car.



ENTERPRISE
SMART POWER
PACK

may the power with you

BP BATTERY PACK

- > Battery pack with lithium technology base cells for energy storage.



BMS MASTER

- > It is responsible for the operation of the subsystems in the battery.
- > Provides communication between the outer units and the battery.



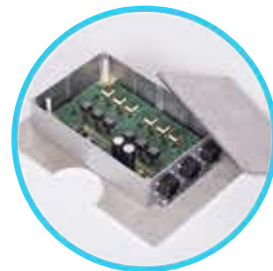
BMS BATTERY MANAGEMENT SYSTEM

- > Its task is to monitor the status of the battery cells and to inform other electronics of the system via a CAN bus.



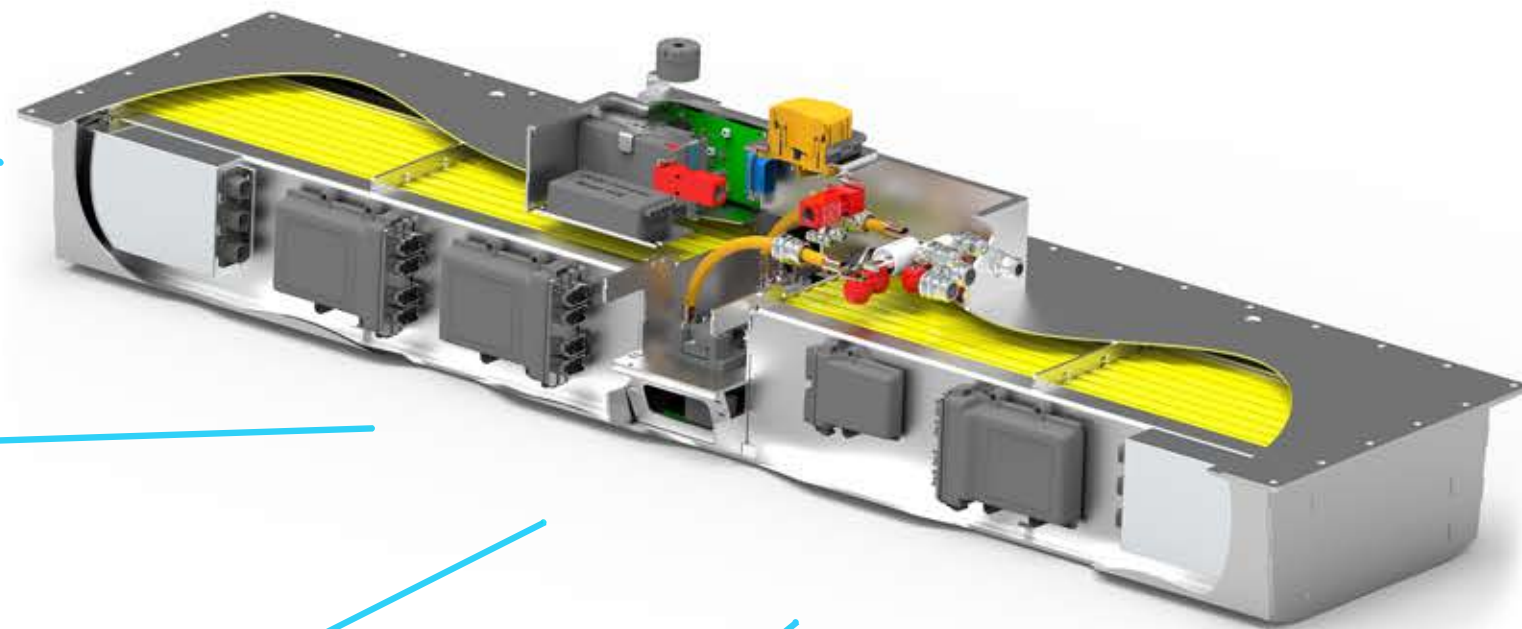
ABS ACTIVE BALANCER SYSTEM

- > Provides controlled and efficient flow of energy between the connected battery cells.
- > Receives commands and sends a status message via the CAN interface.



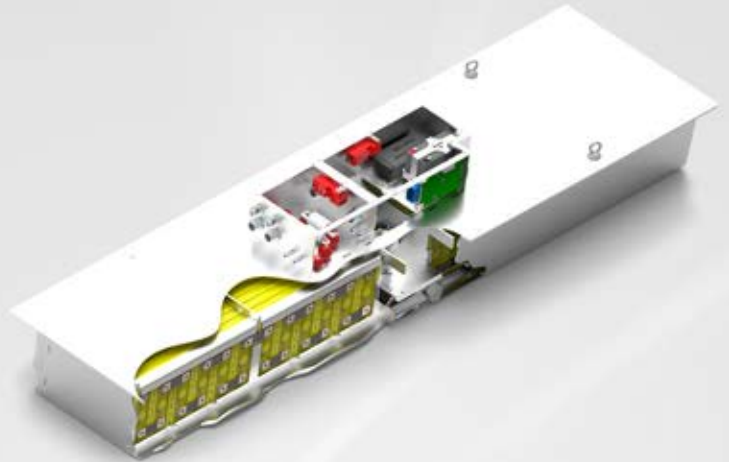
JB JUNCTION BOX

- > Its main task is to ensure the correct and controlled connection of the components of the high voltage system.
- > Precharge and Discharge circuit
- > Isolation monitoring - Measurement of insulation resistance
- > Energy meter (consumption / charge estimates)



Experimental battery pack details

- > Cell configuration: **24S1P**
- > Size: 1966x331x510mm
- > Weight: 223 kg
- > Rated voltage: 80V
- > Rated capacity: 160Ah
- > 12V/20A output
- > CAN and NMEA interface



- > Cell configuration: **20S1P**
- > Size: 643x593x285mm
- > Weight: 110 kg
- > Rated voltage: 66V
- > Rated capacity: 100Ah
- > CAN interface



Scope of application

car



boat



bus



golf car



buggy car





ENTERPRISE
GROUP

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XTALIN

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Performance sailing



NATIONAL RESEARCH, DEVELOPMENT
AND INNOVATION OFFICE
HUNGARY

PROGRAM
FINANCED FROM
THE NRDI FUND

MOMENTUM OF INNOVATION