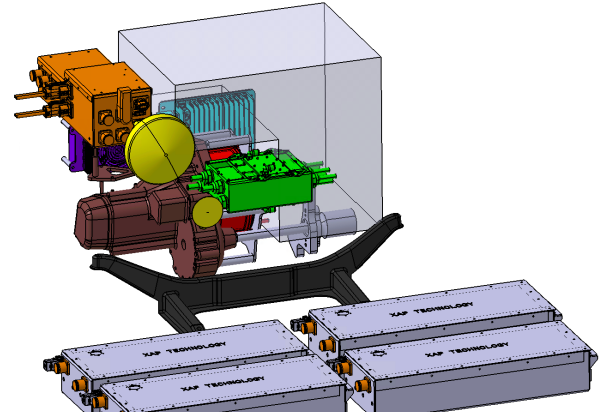


HYBRIDISATION KIT



ADAPTIVE ELECTRIFICATION FOR EVERY VEHICLE.

The XAP Hybridization Kit is a modular electrification solution designed to adapt to a wide range of vehicles, from compact city cars to heavy-duty platforms.

Available in 30 kW, 60 kW, and up to 100 kW configurations, it delivers performance tailored to each vehicle's weight and mission.

With voltage architectures from 60 V to 400 V, the system offers unmatched flexibility for urban, utility, and industrial applications. Regenerative braking and customizable battery packs — from 11 kWh to 38 kWh — enhance efficiency and provide between 50 and 150 km of full-electric range.

Each motor and inverter combination is optimized for power density, reliability, and seamless integration into existing drivetrains.

Designed with XAP's motorsport-grade engineering, the Hybridization Kit ensures robust, safe, and efficient hybrid mobility for every application.

ELECTRICAL HYBRID VEHICLES ADAPTIVE CUSTOM SOLUTIONS

THREE RANGE OF POWER AVAILABLE:

- 30 KW application for Compact car (or lightweight vehicle < 1 T),
- 60 KW application for Hatchback and SUV (1500 Kg)
- Up to 100 KW application for Heavy vehicle (2500 kg and more).

THREE RANGE OF VOLTAGE AVAILABLE:

For urban use low voltage (60V) and high current configuration. 200V architecture for Hatchback and lightweight SUV and 400V for heavy applications.

ENERGY RECOVERY

Regenerative braking enhances overall vehicle efficiency.

BATTERY PACK CONFIGURATION FOR ALL NEEDS:

Vehicle range: From 50 km to 150 km in full electric mode.
Bill of mass of the transformation: from 130 to 300 kg

MOTOR:

Different motors available according to the voltage range:

- Low voltage (60V): 30KW. Peak torque :120 Nm.
- Medium voltage (200V): 56 KW (up to 86 KW). Peak torque:150 Nm
- High voltage (400V): 75 KW (up to 124 KW). Peak torque: 220 Nm

INVERTER:

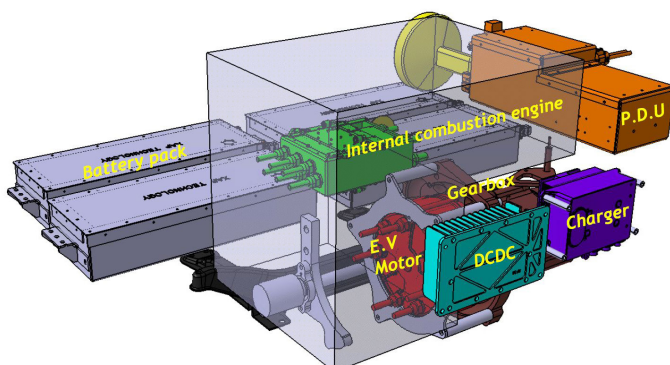
Three different inverter models available:

- 30 KW voltage range (12V up to 80V). Up to 600A DC side for 1 minute
- 100 KW voltage range (100V up to 300V). Up to 600A DC side for 1 minute
- 200 KW voltage range (300V up to 500V). Up to 600A DC side for 1 minute

BATTERY PACK:

Different Capacity according to your needs:

- 11 KWh (range extender up to 22 KWh). 60V architecture
- 19 KWh (range extender up to 35 KWh). 200V architecture
- 38 KWh (range extender available). 400V architecture



MORE INFORMATION ON WWW.XAP.FR



► CATEGORY: **RETROFIT**

XAP MOTOR SPECIFICATIONS

Nominal voltage	60 V DC
Voltage range	45 – 65 V DC (Peak 80 V DC)
Nominal power	30 kW at 5000 rpm
Continuous torque	60 – 65 Nm at 25°C
Peak torque	Up to 120 Nm
Max speed	5000 rpm
Efficiency	95%
Weight	15 Kg

XAP INVERTER SPECIFICATIONS

DC bus voltage	12–80 V DC (nominal 60 V; peak 80 V).
Logic power supply	8–75 V DC
Continuous Power	30 kW at 60 V
Peak Power	60 kW at 60 V (short-duration use)
Continuous current	500 A DC (per phase/power channel)
Sustained high-current absorption	600 A DC for >1 minute
Transient peak current	1000 A DC (acceleration/transient load)
Weight	5 Kg

BATTERY PACK 54V VERSION S

Nominal Voltage	54 V DC
Voltage range	44 – 60 V DC
Maximal Current	500 A
Energy (Usable)	11 KWh
Weight	63 Kg
Range	63 km (Urban use)
Efficiency	95%
Weight	15 Kg

BATTERY PACK 54V VERSION LR

Nominal Voltage	54 V DC
Voltage range	44 – 60 V DC
Maximal Current	500 A
Energy (Usable)	22 KWh
Weight	127 Kg
Range	127 km (Urban use)
Efficiency	95%
Weight	15 Kg

REFERENCES

TBD	HYBRIDISATION KIT 30 KW
TBD	HYBRIDISATION KIT 60 KW
TBD	HYBRIDISATION KIT 100 KW



MORE INFORMATION ON
[HTTPS://STORE.XAP.FR](https://store.xap.fr)

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