

POWER HUB 50

STATIONARY STORAGE - MOBILE UNIT - 50 kWh



RACE-PROVEN ENERGY, WHEREVER POWER IS NEEDED.

Drawing on more than 25 years of experience in motorsport and high-performance automotive programs, XAP Technology develops advanced energy storage solutions built on proven expertise in battery systems, power electronics and embedded intelligence.

The XAP POWER HUB MOBILE is a transportable 50 kWh energy storage system delivering silent, emission-free power for construction sites, industrial operations, charging infrastructures and remote applications. Designed as a sustainable alternative to diesel generators, it combines flexibility, reliability and operational efficiency.

Fully designed, assembled and qualified in France, the POWER HUB MOBILE integrates XAP's proprietary battery management technology and modular architecture, ensuring maximum performance, safety and availability. More than an energy storage unit, it is a complete mobile power platform engineered to support the transition toward cleaner and more resilient energy solutions.

The XAP POWER HUB MOBILE replaces conventional generator sets with a fully electric, intelligent and modular energy source designed for modern industrial operations.

TRANSPORT — DEPLOY — POWER.

MOBILE POWER, INDUSTRIAL GRADE.

PLUG & PLAY MODULARITY:

Nine interchangeable hot-swap energy boxes enable rapid field replacement without interrupting operations.

RACE-PROVEN BMS:

XAP proprietary four-channel Battery Management Unit derived from embedded motorsport monitoring standards.

SECOND-LIFE BATTERIES:

Qualified automotive NMC batteries reduce acquisition costs and significantly lower environmental impact.

FULL MOBILITY:

Compact 300 kg chassis equipped with integrated casters for rapid deployment in less than ten minutes.

AC/DC FLEXIBILITY:

Compatible with XAP PACK DISTRIB modules, providing single-phase, three-phase or direct DC power distribution up to 400 V.

REAL-TIME TELEMETRY:

20 Hz CAN and CAN-FD broadcasting enables remote supervision, diagnostics and predictive maintenance.

SOVEREIGN ENGINEERING:

Designed, assembled and qualified in France with full traceability and accountability throughout the energy chain.

SILENT. CLEAN. DEPLOYABLE:

No fuel. No emissions. No engine maintenance.



► BATTERY - BMS/CMU - DC/DC - CASING: **POWER HUB 50 - STATIONARY STORAGE**

TECHNICAL SPECIFICATIONS

Stored Energy	50 kWh
DC Voltage	400 V Nominal
Output Current (Nom. / Max.)	125 A / 375 A
Output Power (Nom. / Max.)	50 kW / 150 kW
Modules	18 Modules – 6S2P Configuration
Rackable Energy Boxes	9 Interchangeable Hot-Swap Units
BMS	XAP Proprietary BMU – 4 Channels
Cooling	Active Air Cooling
Telemetry	20 Hz CAN / CAN-FD Broadcast
Operating Temperature	-10°C to +50°C

MECHANICS

Mass	300 kg
Dimensions (L x W x H)	850 x 600 x 1050 mm
Mobility	Factory-Mounted Casters
Enclosure	Steel Chassis with Rackable Doors
Protection Rating	IP54 (Indoor / Sheltered Use)

SAFETY

Battery Management	XAP Proprietary Multi-Cell Monitoring
Transport Compliance	UN 38.3
Industrial Battery Compliance	IEC 62619
Thermal Runaway Protection	Integrated BattSafe Detection Option
Electrical Safety	Galvanic Isolation & Ground-Fault Detection
EMC Compliance	EN 61000-6-2 / EN 61000-6-4

TYPICAL APPLICATIONS

Construction sites
Industrial maintenance operations
Event power supply
Remote installations
Mobile EV charging
Drone charging stations
Microgrid demonstrators
Generator Replacement

REFERENCES

PF1004	XAP POWER HUB MOBILE - 50kWh
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