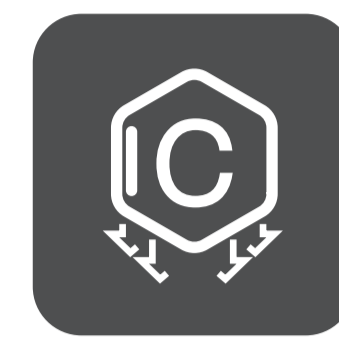


EnergyPack



ZERO EMISSIONS



ZERO NOISE



PEAK SHAVING



LOAD SHARING



PLUG&PLAY

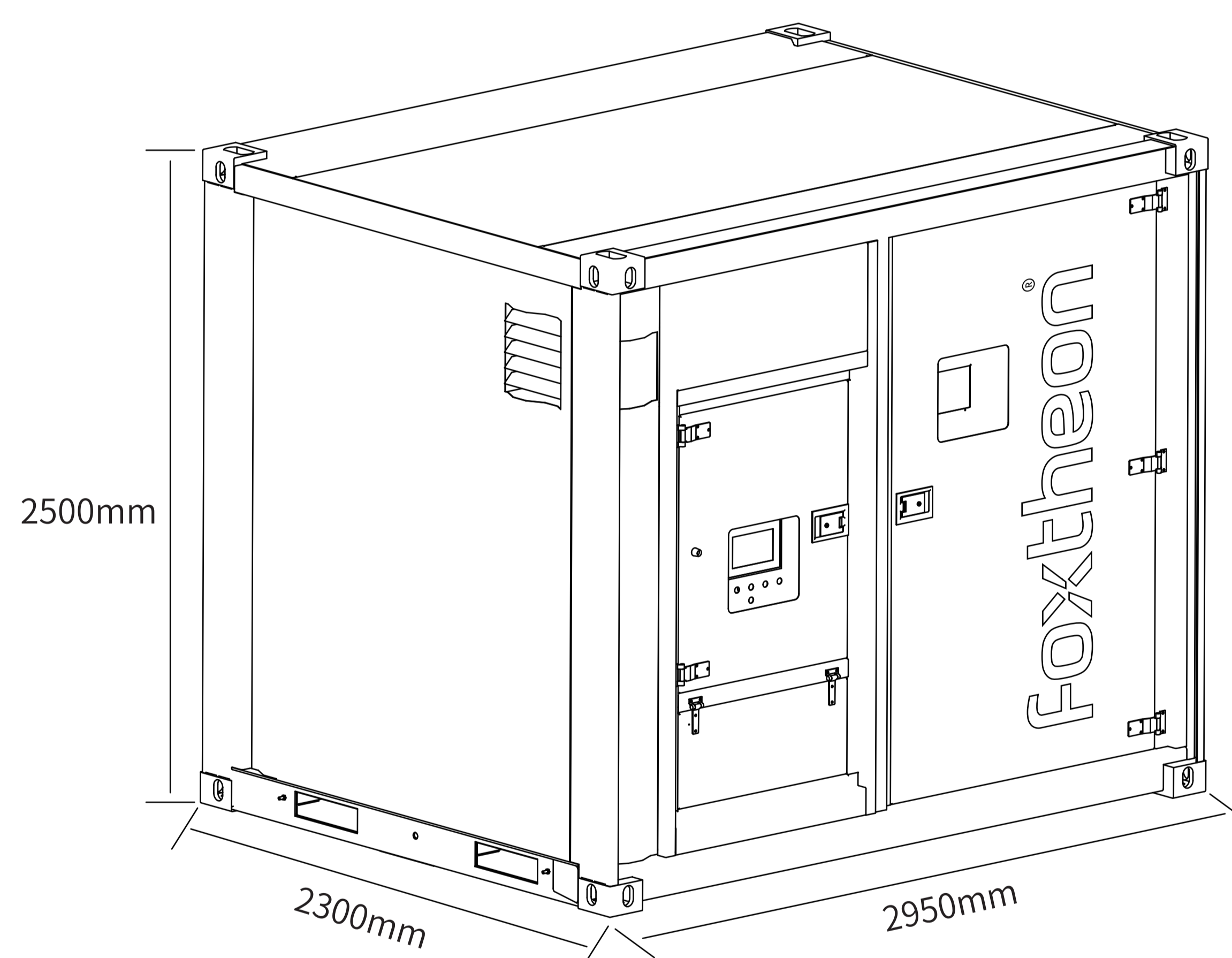


RENEWABLES INTEGRATION

| PERFORMANCE | | P500 |
|------------------------------|--------|----------------------------------|
| Nominal rated power | kVA | 500 |
| Overload power(60s) | kVA | 625 |
| Nominal peak power(10s) | kVA | 625 |
| ELECTRICAL | | |
| Rated voltage | VAC | 415 |
| Output voltage range | VAC | 400 (-10%~+15%) |
| Frequency | Hz | 50(60) |
| Power factor range | | 0 ind. ...1 ... 0 cap |
| Nominal AC current | A | 696 |
| Max AC current(10s) | A | 870 |
| ENERGY | | |
| Cell chemistry | | LiFePO4 |
| Nominal capacity | kWh | 564 |
| Effective capacity | kWh | 507.6 |
| Recharging time | Hours | 2h@282kW |
| Discharging time | Hours | 2h@508kW |
| System round trip efficiency | % | up to 96.6% |
| DoD% (depth of discharge) | % | 90 |
| Lifetime (80% DoD) | Cycles | 7000 |
| Battery management system | | Automotive grade BMS |
| Temperature control | | Liquid cooling / PI heating film |

| ENVIRONMENTAL | | P500 |
|----------------------------|--------------|-------------------------|
| Protection class | | IP54 |
| Corrosion protection | | C3 (C5M) |
| Operating temperature | °C | -20 to +50 |
| Humidity | | 0-95% (no condensation) |
| Maximum operating altitude | m | 3000 |
| Sound power level | dB(A) @1m | <50 |

| MECHANICAL | | P500 |
|------------------------|----|----------------|
| Dimensions (L x W x H) | mm | 2950*2300*2500 |
| Weight | kg | 7200 |



SCOPE OF SUPPLY

Canopy

- High strength structure, high IP protection container

Security

- Internal locker for batteries.
- Anti-theft hinges and door lockers.
- Earth pin without grounding rod.

Transportability

- Transport Efficiency: The design includes a lifting eye, skid frame with forklift pockets, anti-theft features.

OPTIONALS

- Custom colors
- Custom sockets distribution (input and output)
- Extended galvanized baseframe
- Grid synchronization panel
- Integrated PV inverter
- EV Charge point
- Trailer

| CONTROL | |
|------------------------|---|
| Control panel | Industrial grade rugged 7" HMI with configurable presets, data visualisation and logs |
| Protection | Overload, Overheat, Short Circuit, Earth Fault |
| Temperature control | Active forced air cooling |
| Remote generator start | Dry contact relay / MODBUS |
| Remote connectivity | Data-efficient M2M communications via cellular IoT and user notifications to Internet connected devices |
| Remote automation | FoxCloud Web APP |

FoxMind Energy Management System

FoxMind EMS is an intelligent hybrid power management system that automatically controls power distribution between generator, battery storage, PV, and mains systems, determining the most economical mix of power management of the whole system. It provides a simple and guided operation experience in choosing the appropriate working mode for any scenario, ensuring you a safe, efficient, and reliable energy supply.



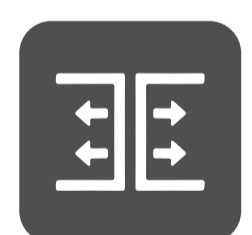
Multiple Working Mode

Provides multiple operating modes selection for different working scenarios. The full functions EMS supports Island mode, Automatic Mains Failure, Fixed power, Peak shaving, Load take-over, Mains power export etc.



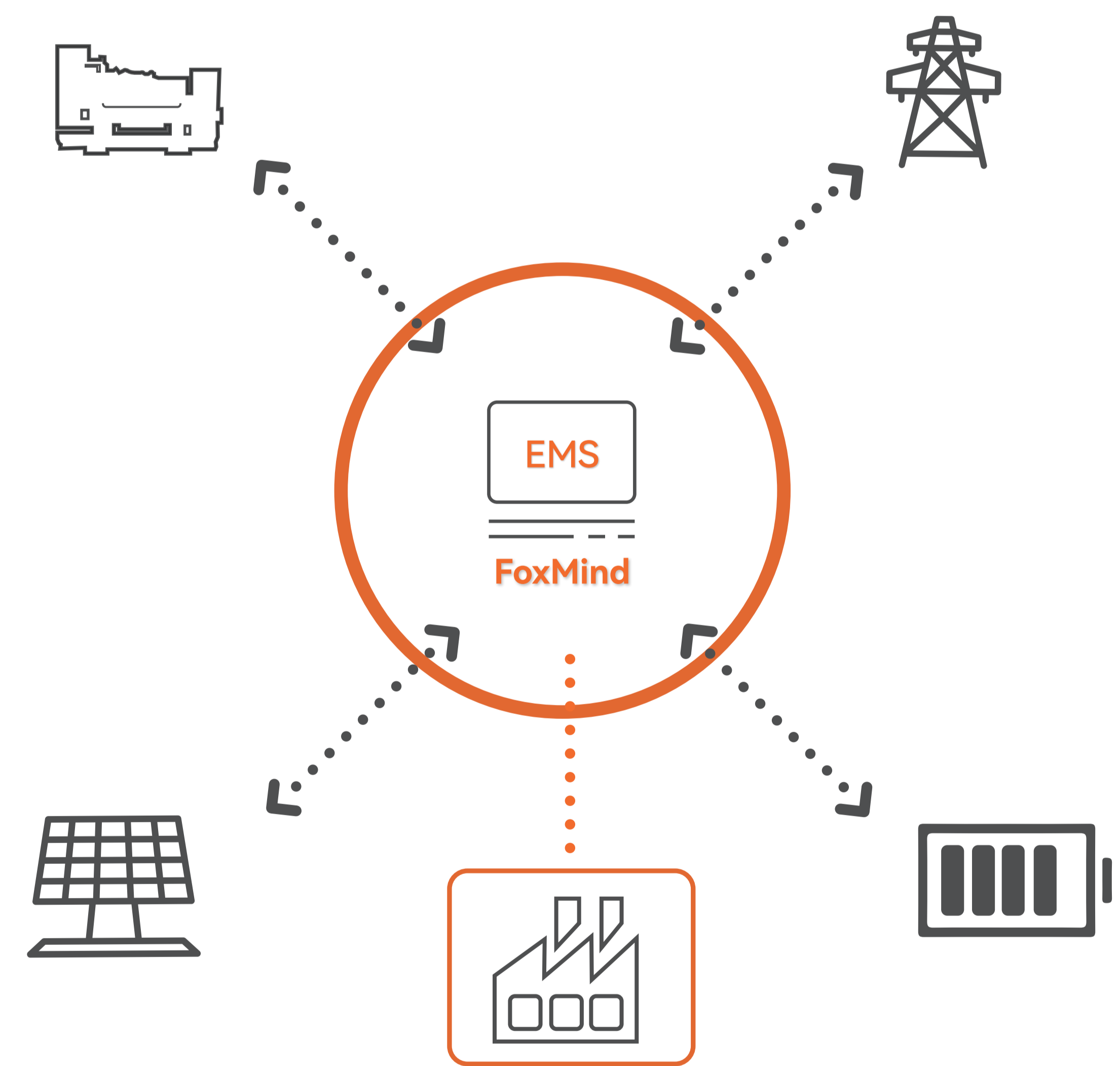
Integration Capability

The FoxMind EMS can automatically integrate various energy sources of generator, battery storage, PV, mains and provide seamless power switch.



Scalability

The power and capacity can be expanded by paralleling with multiple EnergyPack BESS and generators.



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