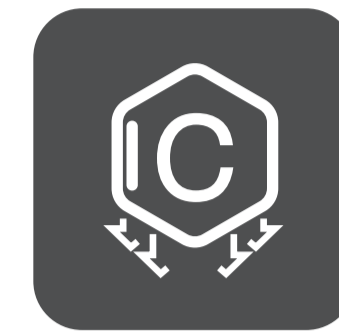


## EnergyPack



ZERO EMISSIONS



ZERO NOISE



PEAK SHAVING



LOAD SHARING



PLUG&PLAY



RENEWABLES INTEGRATION

### PERFORMANCE

Nominal rated power	kVA	34
Overload power(60s)	kVA	42
Nominal peak power(10s)	kVA	100

### 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	47
Max AC current(10s)	A	139

### ENERGY

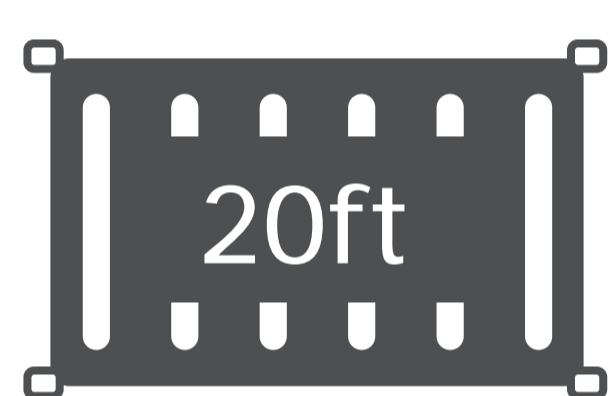
Cell chemistry		LiFePO4
Nominal capacity	kWh	34
Effective capacity	kWh	30.6
Recharging time	Hours	2h@17kW
Discharging time	Hours	1h@30kW
System round trip efficiency	%	up to 96%
DoD% (depth of discharge)	%	90
Lifetime (80% DoD)	Cycles	7000
Battery management system		Automotive grade BMS
Temperature control		Liquid cooling / PI heating film

## ENVIRONMENTAL

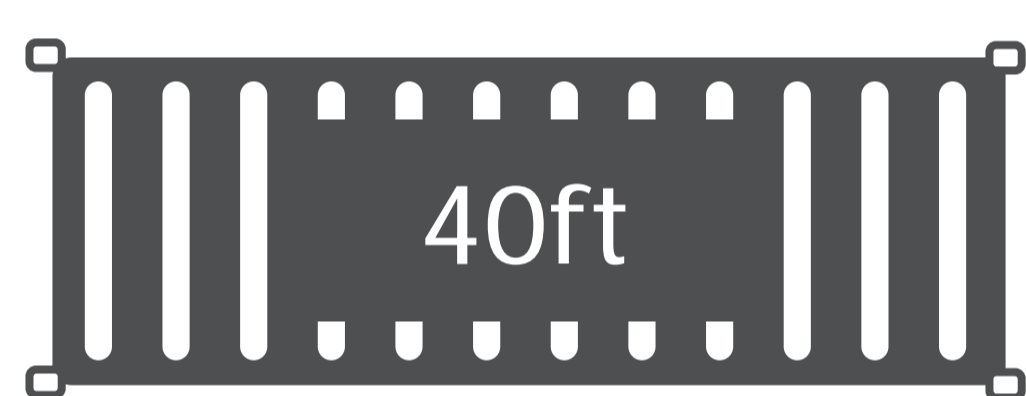
Protection class		IP54
Corrosion protection		C3 (C5M)
Operating temperature	°C	-20 to +50
Humidity		0-95% (no condensation)
Maximum operating altitude	m	3000
Sound power level	dB(A) @1m	<50

## MECHANICAL

Dimensions (L x W x H)	mm	1600*1100*1600
Weight	kg	950



7 units



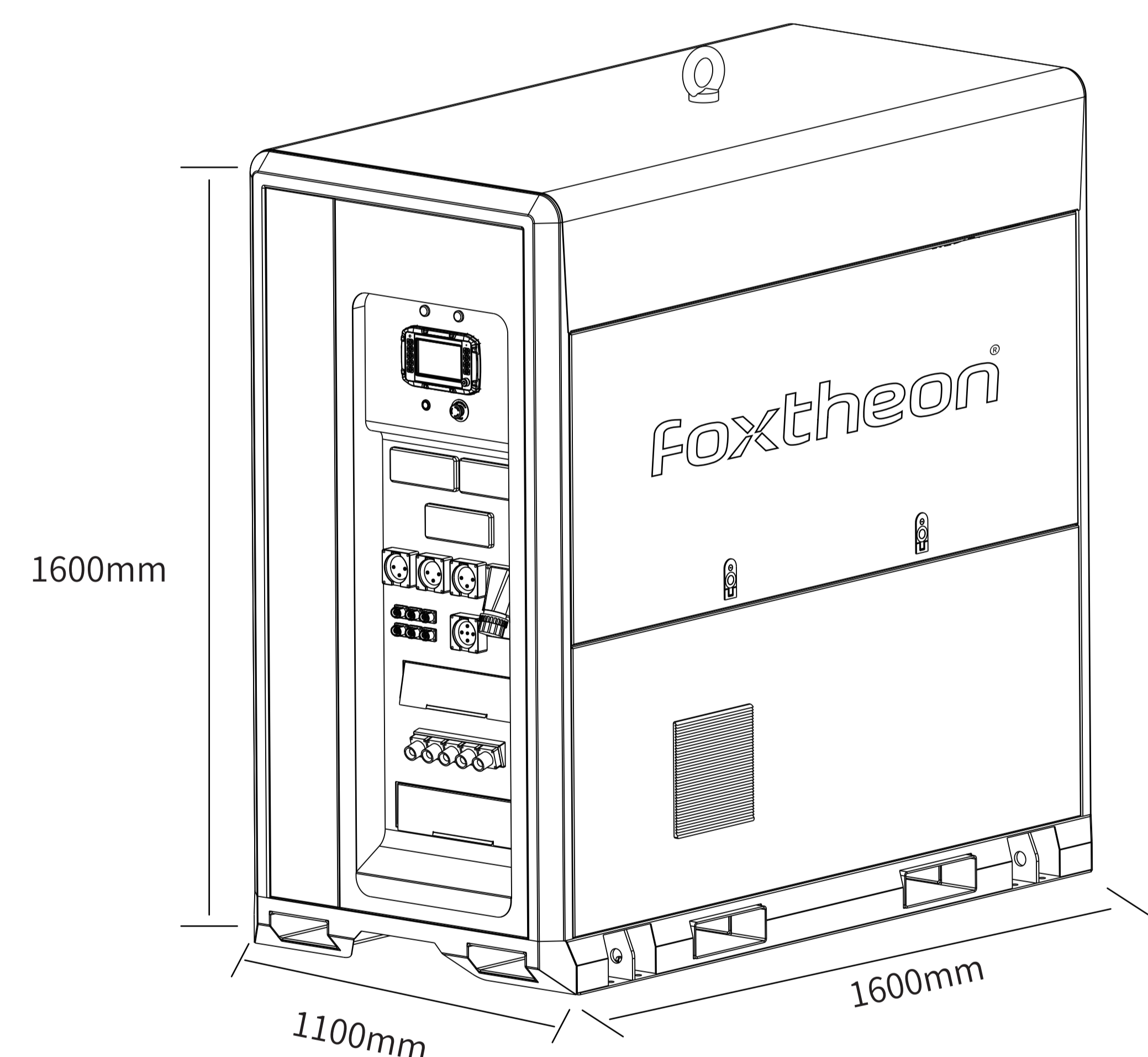
14 units



16 units

## SOCKETS

Input	CEE AC 415V 5P 125A	1
	AS AC 415V 5P 32A	1
	Andersen PV Input	4
Output	AS AC 250V 3P 15A	2
	AS AC 415V 5P 50A	1



## 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
- Integrated mains control
- Integrated PV inverter
- EV Charge point
- STS panel
- 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.



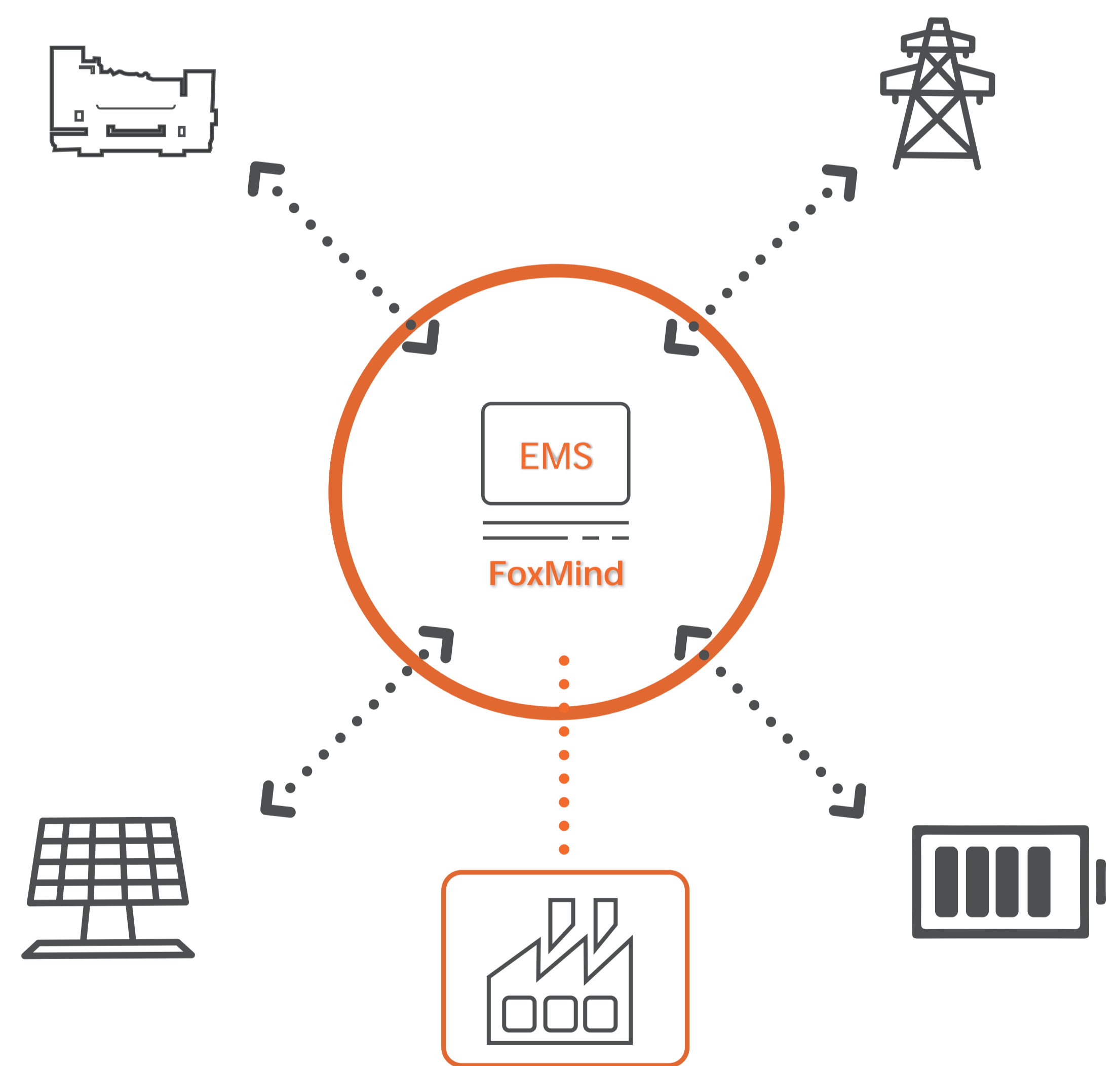
### Integration Capability

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 parallelling with multiple EnergyPack BESS and generators.



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