

## EnergyPack



ZERO EMISSIONS



ZERO NOISE



PEAK SHAVING



LOAD SHARING



PLUG&PLAY

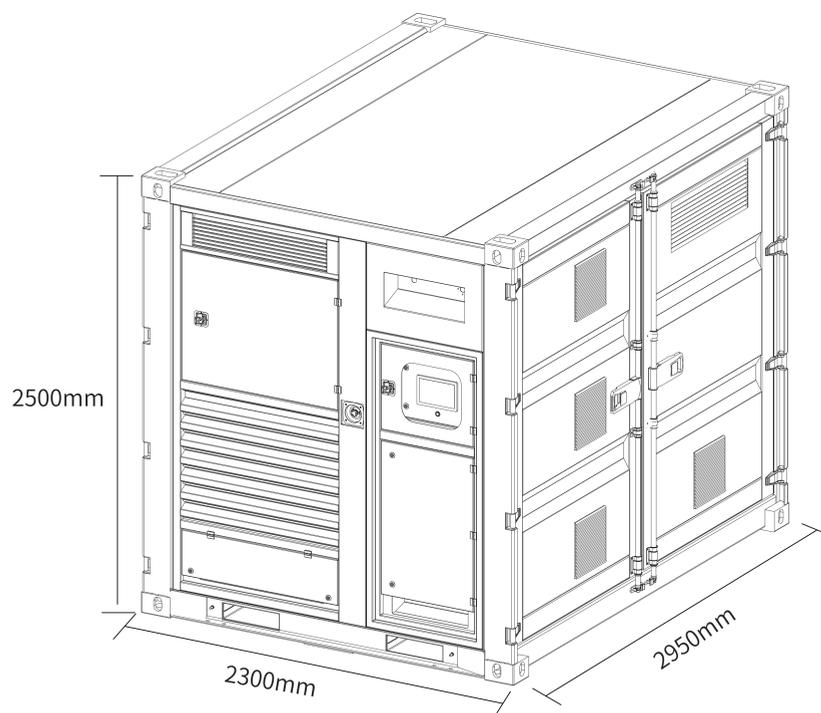


RENEWABLES INTEGRATION

PERFORMANCE		P500
Nominal rated power	kVA	500
Overload power(60s)	kVA	625
Nominal peak power(10s)	kVA	625
ELECTRICAL		
Rated voltage	VAC	400
Output voltage range	VAC	400 (-10%~+15% )
Frequency	Hz	50/60
Power factor range		0 ind. ...1 ... 0 cap
Nominal rated AC current	A	721
Max AC current(10s)	A	902
ENERGY		
Cell chemistry		LiFePO4
Nominal capacity	kWh	564
Effective capacity	kWh	507.6
Recharging time	Hours	2h@282kW
Discharging time	Hours	1h@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
Battery balanced (recharge up to 100%)		4 weeks
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		
Dimensions (L x W x H)	mm	2950*2300*2500
Weight	kg	8800



### 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 10"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, Hybrid mode, Microgrid mode etc.



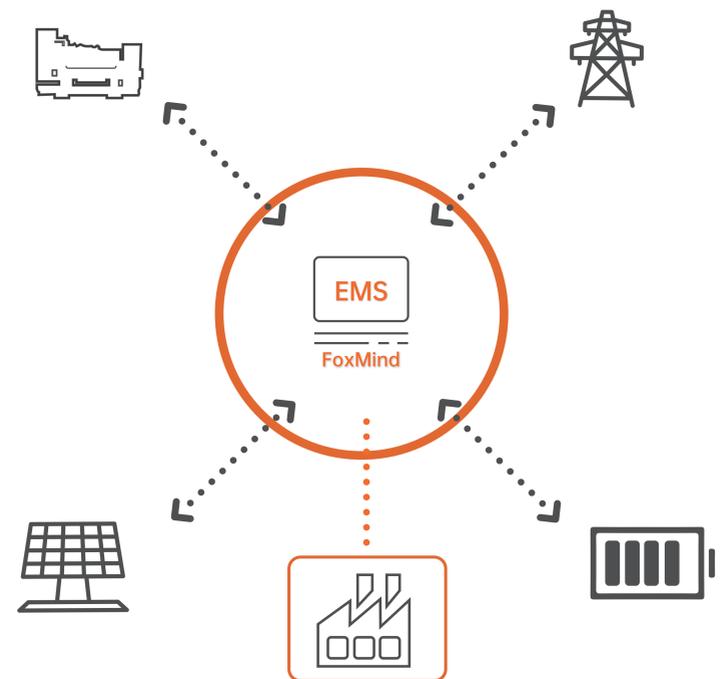
### Integration Capability

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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