

## EnergyPack



ZERO EMISSIONS



ZERO NOISE



PEAK SHAVING



LOAD SHARING



PLUG&PLAY

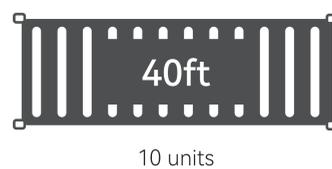
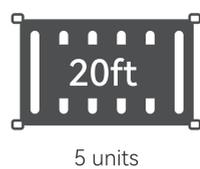


RENEWABLES INTEGRATION

PERFORMANCE		P60MAX	P100
Nominal rated power	kVA		100
Overload power(60s)	kVA		125
Nominal peak power(10s)	kVA		250
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		144
Max AC current(10s)	A		360
ENERGY			
Cell chemistry			LiFePO4
Nominal capacity	kWh		102
Effective capacity	kWh		91.8
Recharging time	Hours		2h@51kW
Discharging time	Hours		1h@92kW
System round trip efficiency	%		up to 96%
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		P60MAX	P100
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		P60MAX	P100
Dimensions (L x W x H)	mm	2300*1150*2200	
Weight	kg	2200	



CONTROL	
Control panel	Industrial-grade touch-enabled 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

### 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

## 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.



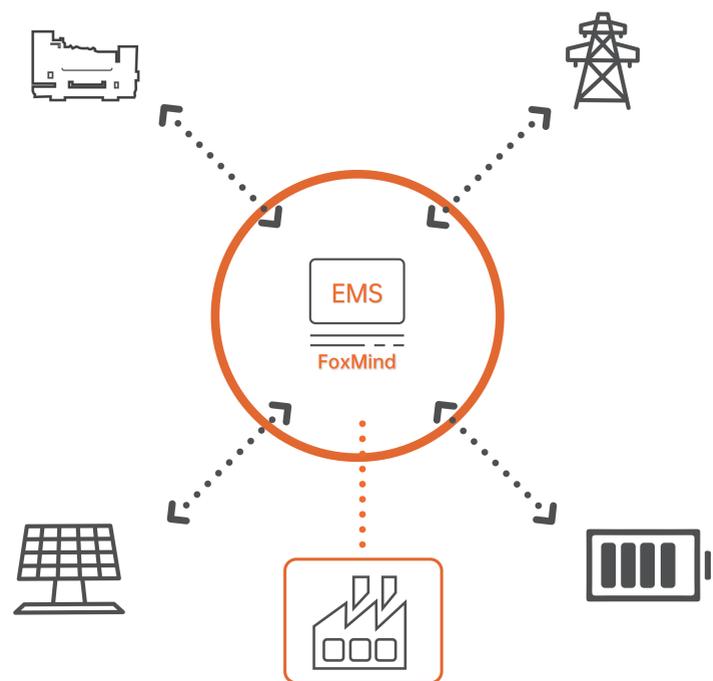
### Integration Capability

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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