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## SiteGrid X100

### Portable Power Unit

The SiteGrid X100 is engineered to provide robust, non-stationary power with an impressive 102kWh battery storage capacity in any location.

This unit seamlessly integrates with other energy sources, including renewables, delivering an efficient, reliable, and adaptable power supply for a diverse range of sectors and industries. Manages energy peaks effectively, ensuring consistent and reliable power delivery even during high demand.

### Features & Benefits

- High strength structure, high IP protection container
- Internal locker for batteries. Anti-theft hinges and door lockers.
- Earth pin without grounding rod.
- The design includes a lifting eye, skid frame with forklift pockets, anti-theft features for transport efficiency
- Seamless renewables integration
- Peak shaving
- Load sharing



Zero  
CO2 Emissions



Plug  
& Play



Zero  
Noise Pollution

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PERFORMANCE		X100
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	360V-450V Configurable
Frequency	Hz	50(60)
Power factor		1
Nominal AC current	A	144
Max AC current(10s)	A	360
Input Connections		125A 3 Ph 5 pin IP67 Commando Plug or Busbar (hardwired)
Output Connections		500A Power Safe, Busbar (hardwired) and 2 Quantity 125A 3 Ph 5 pin IP67 Commando Sockets
Output Protection		Powersafe & Busbar MCCB/ 125A Sockets RCD
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 96.6%
DoD% (depth of discharge)	%	90
Lifetime (80% DoD)	Cycles	7000
Battery management system		Automotive grade BMS
Temperature control		Liquid cooling / PI heating film



ENVIRONMENTAL		X100
Protection class		IP54
Corrosion protection		C3 (C5M)
Operating temperature	°C	-20 to +50
Humidity		0-95% (Non condensing)
Maximum operating altitude	m	3000
Sound power level	dB(A) @1m	<50

MECHANICAL		X100
Dimensions (L x W x H)	mm	2300*1150*2200
Weight	kg	2200

## SOCKETS

X100		
Input	125A 5 pin IP67 Commando Plug	1
Output	125A 5 pin IP67 Commando Socket	2
	Powerlock 5P 500A Drain	1 Set

## OPTIONALS

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

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## 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	Think Energy Panorama
Remote automation	Think Energy Panorama Web APP

## Think Energy Panorama Energy Management System

Think Energy Panorama 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.



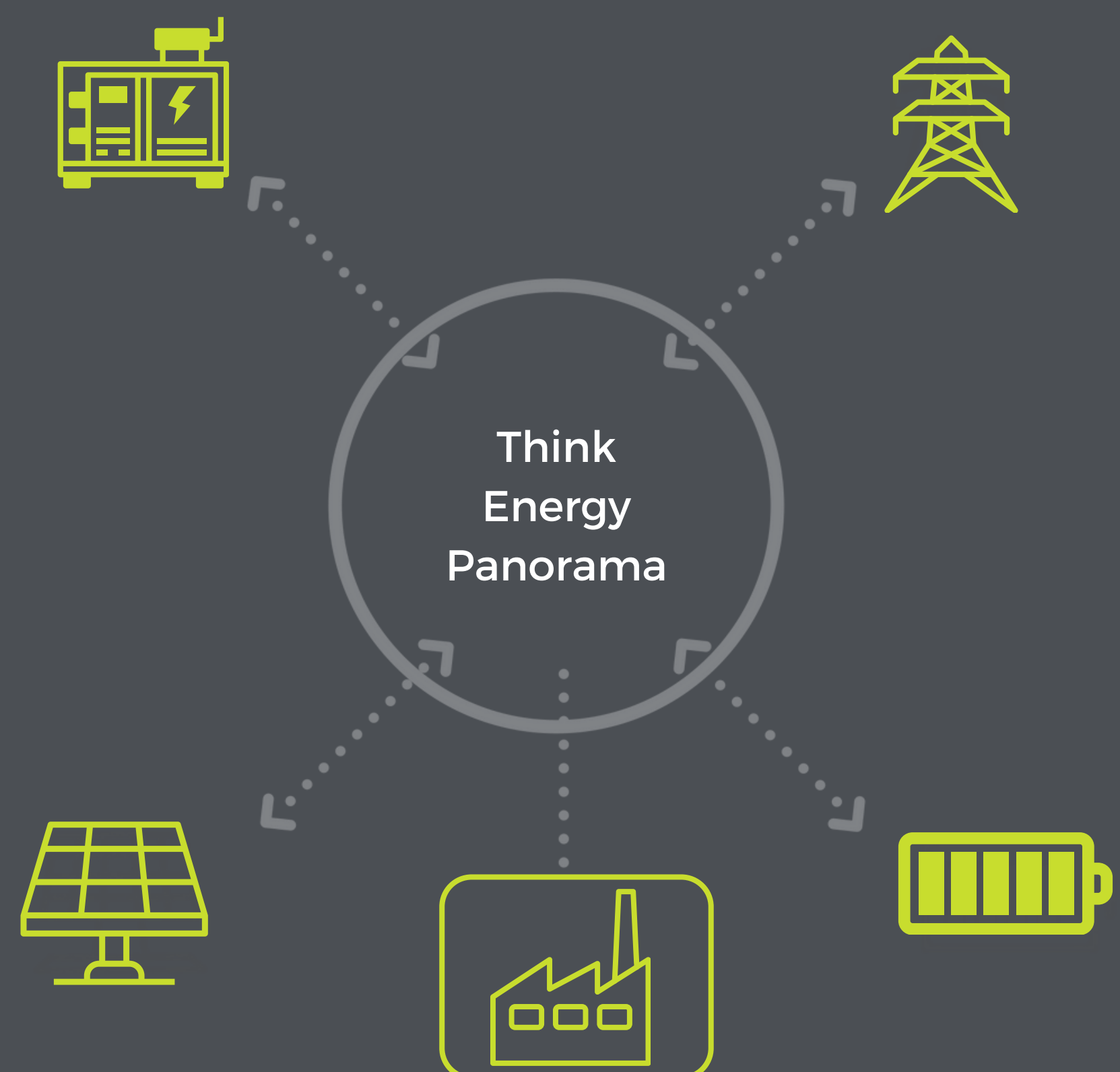
### Integration Capability

Think Energy Panorama 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.



Think Energy group has the right to modify any feature without prior notice. The images are indicative and may not coincide in their entirety with the product. Images non contractual.

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