ThinkHire
RELOCATABLE RENEWABLE ENERGY

0330 133 2222
info@thinkhire.co.uk



SiteGrid X1000

High-Capacity Power Unit

Engineered for heavy-duty and surge-intensive applications, the X1000 delivers 675 kVA of hybrid power with a 948 kWh battery system that maintains stable operation under demanding base and peak loads.
Its rugged design allows reliable performance in harsh conditions while reducing generator runtime by up to 80%, lowering fuel use, emissions and wear on supporting equipment.

Featuring UPS-grade <20 ms transfer, the system guarantees uninterrupted power for mission-critical assets and achieves up to 92.2% efficiency for substantial OPEX reduction.

Packaged in a compact 10-foot container, it offers plug-and-play deployment, seamless integration via standard APIs, and suitability for mining, construction, microgrids, large events, equipment rental fleets and emergency backup.

Features & Benefits

- Quick deployment
- High strength structure, high IP protection container
- Internal locker for batteries. Anti-theft hinges and door lockers.
- The design includes a lifting eye, skid frame with forklift pockets, anti-theft features for transport efficiency
- Seamless renewables integration
- Peak shaving, Load sharing
- Smart energy optimisation with Think Energy Panorama

Zero
CO2 Emissions

Plug
& Play

Zero
Noise Pollution

For more info, visit thinkhire.co.uk

ThinkEnergy GROUP

ThinkHire
RELOCATABLE RENEWABLE ENERGY

0330 133 2222
info@thinkhire.co.uk



PERFORMANCE		X1000
Nominal rated power	kVA	675 kVA
Nominal peak power (10s)	kVA	1000 (10s)
Switching Time -UPS Grade		< 20 ms (UPS-level)
ELECTRICAL		
Rated voltage	VAC	400
Output voltage range	VAC	400 (-10% ~ +15%) Configurable
Frequency	Hz	50(60)
Power factor range Nominal		1
AC current	A	974 (@ 400V)
Max AC current(10s)	A	1443 (10 seconds@ 400V)
Input Connections		Busbar 800A or 800A Powersafe connectors
Output Connections		Busbar 1600A or 2x 800A Powersafe connectors 2x 125A 5 pin IP67 Commando sockets
Electrical		125A RCD MCCB , 800A MCCB (ABB)
ENERGY		
Cell chemistry		LiFePO4
Nominal capacity	kWh	948.48
Effective capacity	kWh	948.48 (100% DoD)
Recharging time	Hours	1.5 hours (at 675 kW)
Discharging time	Hours	1.5 hours (at 675 kW)
System round trip efficiency	%	Up to 92.2%
DoD% (depth of discharge)	%	80
Lifetime (80% DoD)	Cycles	8000
Battery management system		Industrial-grade BMS with cell-level monitoring
Temperature control		Liquid cooling / PI heating film
Integrated Solar PV Charger Maximum	kW	100kW (DC 190-1100V)

ThinkHire
RELOCATABLE RENEWABLE ENERGY

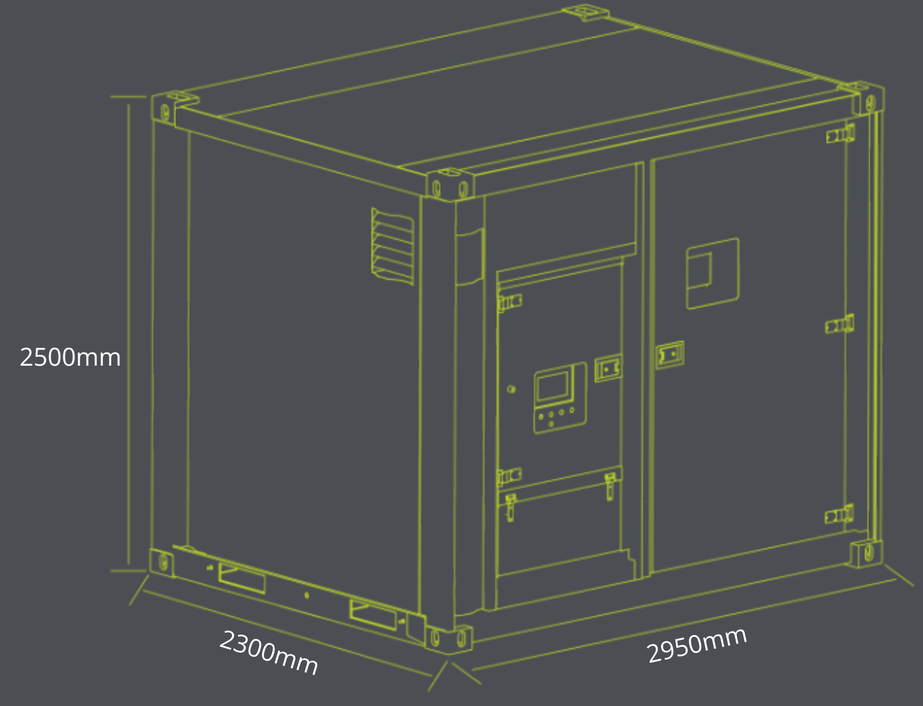
0330 133 2222
info@thinkhire.co.uk

ENVIRONMENTAL		X1000
Protection class		IP54 (Upgradable to IP65)
Corrosion protection		ISO 12944 C4 Compliant (C5 Optional)
Operating temperature	℃	-20 to +50
Humidity		0-95%（no condensation）
Maximum operating altitude	m	3000
Sound power level	dB(A) @1m	<60 dB(A) @7m

MECHANICAL		
Dimensions (L x W x H)	mm	2950*2300*2500
Weight	kg	12,400

CERTIFICATION

- System Level Safety CE Declaration of Conformity
- Battery Safety IEC 62619, UL 9540A
- Transport Compliance CSC Certified (Convention for Safe Containers)
- Corrosion Protection Class ISO 12944 C4 Compliant (C5 Optional)
- Vibration & Shock Resistance
- Compliant with UN 38.3 transportation safety certification, including vibration & shock tests



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 bottom lift points, skid frame with forklift pockets, anti-theft features.

OPTIONALS

- AC Synchronised Solar up to 500kW
- Custom colors
- Custom sockets distribution (input and output)
- Extended galvanised base frame
- Integrated PV inverter
- EV Charge point
- Trailer

ThinkEnergy GROUP

ThinkHire
RELOCATABLE RENEWABLE ENERGY

0330 133 2222
info@thinkhire.co.uk

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/ Batteries Liquid Cooling & PI Heating
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	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

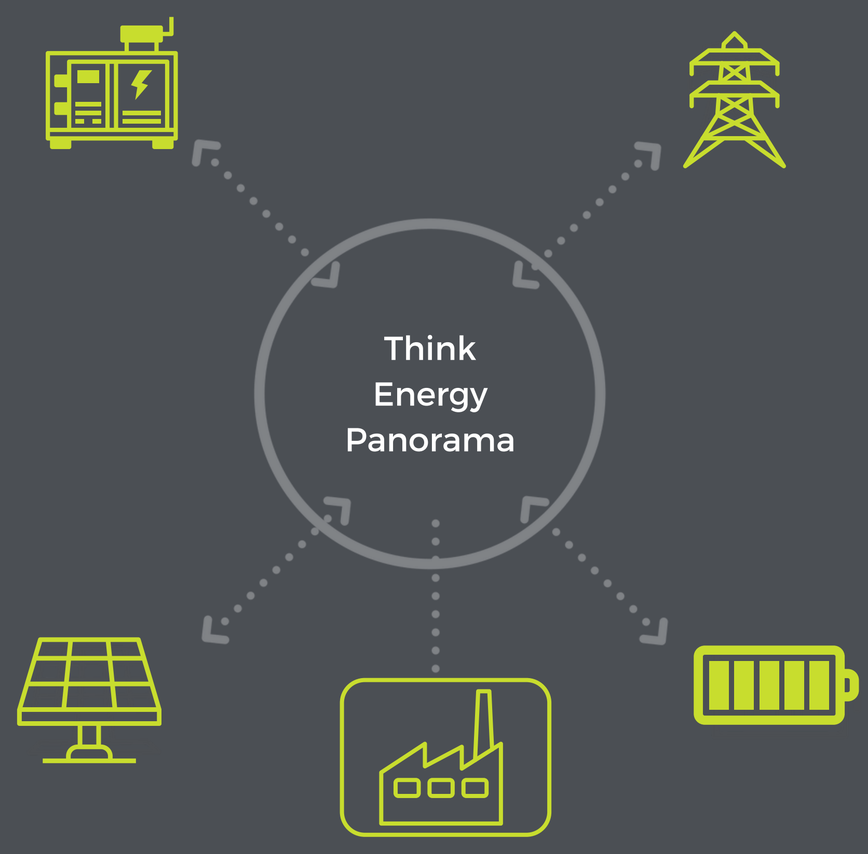
Provides multiple operating modes selection for different working scenarios. The full functions EMS supports Island mode, Hybrid mode, Microgrid mode etc.

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 parellelling 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 enterity with the product. Images non contractual.

For more info, visit thinkhire.co.uk