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SiteGrid X Series Heavy-duty industrial BESS range

Discover cleaner and more cost-effective alternatives to diesel generators

Our SiteGrid X BESS Range delivers robust, mobile power with advanced battery storage anywhere. These units integrate seamlessly with renewables and other energy sources to provide efficient, reliable, and adaptable power for diverse sectors.

The range—including X100, X200, X200+, X350, and X500—meets the demands of projects from modular buildings to crane operations. Each unit manages energy peaks effectively, ensuring consistent power even during high demand.

The X-Range offers silent, zero-carbon power up to 625 kVA with battery capacity up to 564 kWh, making it ideal for heavy-duty environments with high consumption and sudden load surges. Built for harsh conditions, SiteGrid reduces diesel reliance by up to 80%, cutting fuel use, emissions, and extending equipment life.

Think Energy Panorama AI automation detects issues, applies fixes, and alerts our 24/7 monitoring team—minimising downtime and delivering significant operational savings.

Whether for critical loads or emergency backup, SiteGrid X Series provides a robust, cost-effective, and sustainable power solution.

Features & Benefits

- High strength structure, high IP protection container
- Internal locker for batteries
- Anti-theft hinges and door lockers
- Earth pin without grounding rod
- Seamless renewables integration
- Peak shaving
- Load sharing
- The design includes a lifting eye, skid frame with forklift pockets, anti-theft features for transport efficiency
- Powers tower cranes, hoists, wind turbines, pumps, large modular buildings and EV chargers



Minimised
CO2 Emissions



Plug
& Play



Minimised
Noise Pollution



For more info, visit [thinkhire.co.uk](https://www.thinkhire.co.uk)



SiteGrid X BESS Series

Heavy-duty industrial BESS configurations

OPTION 1

GRID-TIED BESS SITEGRID



-  No fuel required
-  Up to 90% less emissions
-  Lower energy tariffs
-  Zero noise pollution
-  Real-time KPI monitoring

OPTION 2

SITEGRID BESS + BACKUP GENERATOR

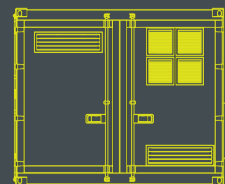
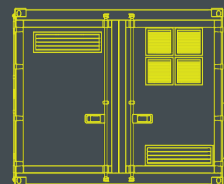
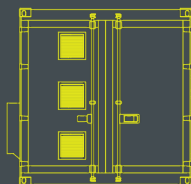
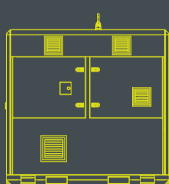
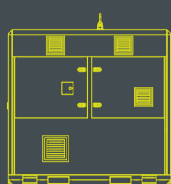


-  Cuts generator runtime by up to 80%
-  Ideal for noise-restricted zones
-  Fast deployment, saves site space
-  Powers your infrastructure
-  Real-time KPI monitoring





Specifications



POWER	SiteGrid X100	SiteGrid X200	SiteGrid X200+	SiteGrid X350	SiteGrid X500
NOMINAL RATED POWER:	100kVA	200 kVA	200 kVA	350 kVA	500 kVA
OVERLOAD POWER(60S):	125 kVA	235 kVA	235 kVA	470 kVA	625 kVA
PEAK POWER(10S):	250 kVA	250 kVA	564 kVA	625 kVA	625kVA
BATTERY TYPE:	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4
BATTERY CAPACITY:	125 kWh	188 kWh	188 kWh	376 kWh	564 kWh
BATTERY DEPTH OF DISCHARGE:	90%	90%	90%	90%	90%
LIFETIME (80% DOD):	7000 cycles	7000 cycles	7000 cycles	7000 cycles	7000 cycles
RATED VOLTAGE ADJUSTABLE -10%/+15%:	400 VAC	400 VAC	400 VAC	400 VAC	400 VAC
AC CURRENT:	144 A	271 A	271 A	721 A	721 A
MAX AC CURRENT(10S):	360A	361 A	814 A	902 A	902 A
BUILT IN SOLAR PV CHARGER:	30kW	30kW	30kW	100kW	100kW

OUTLETS & INPUTS

INPUT:	125A 3 Ph 5 pin IP67 Commando Plug or Busbar (hardwired)	125A 3 Ph 5 pin IP67 Commando Plug or Busbar (hardwired)
OUTPUT:	500A Power Safe, Busbar (hardwired) and 2x125A 3 Ph 5 pin IP67 Commando Sockets	800A Power Safe, Busbar (hardwired) and 3x125A 3 Ph 5 pin IP67 Commando Sockets
OUTPUT PROTECTION:	Powersafe & Busbar MCCB/ 125A Socket RCD 30-300ma adjustable	125A Socket RCD 30-300ma adjustable, 800A MCCB

ENVIRONMENTAL

OPERATING RANGE:	-20 to +50°C
PROTECTION CLASS:	IP54
TEMPERATURE CONTROL:	Liquid cooling /PI heating film

