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IN THE UNITED KINGDOM

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MADE IN EUROPE

Kickstart your journey into the

ZERØ EMISSION ERA

BESSTIE® 120
BATTERY ENERGY
STORAGE SYSTEM

Your New Decarbonization Best Friend

CONSTRUCTION | EVENTS | EV CHARGING | BACK UP | TELECOM

→ BESSTIE® 120, BATTERY ENERGY STORAGE SYSTEM

DIFFERENT MODES FOR VARIOUS APPLICATIONS

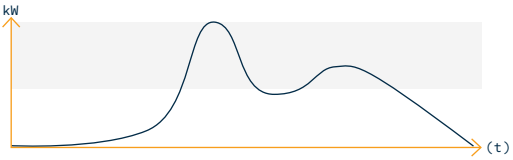
STANDALONE MODE
The BESS operates as an independent power solution, ideal for remote sites or environments where noise reduction is essential.

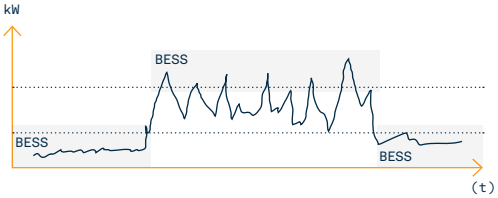
GRID SUPPORT
The BESS provides stored energy for electric vehicle charging stations during peak demand periods or in areas with limited grid capacity.

HYBRID MODE
Our BESS handles low loads and demand peaks by storing excess energy from a diesel or hydrogen generator during low-demand periods and redistributing it when demand is high.

COMBINE YOUR GENERATOR WITH A BESSTIE® TO REDUCE EMISSIONS

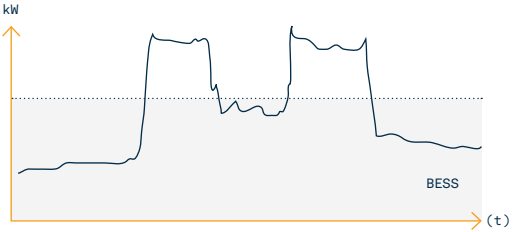
PEAK SHAVING & POWER BOOST
Our BESS manages energy demand peaks by storing excess energy from a diesel or hydrogen generator during low-load periods and redistributing it when demand is high.





COMPLEX LOAD SHARING (DEIF)
Our BESS enables complex load sharing with other onsite power generation units and offers high flexibility to the work site to achieve their specific goals.

LOW LOAD APPLICATION
By handling low loads that would otherwise cause diesel generators to run inefficiently, our BESS prevents fuel waste and reduces emissions. This optimizes generator operation and prolongs equipment life, ensuring environmental and cost benefits.



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KEY BENEFITS OF BESSTIE®

ZERØ EMISSIONS
· Zerø CO_2
· Zerø NOx
· Zerø Particulate Matter
· Clean power delivered

QUIET OPERATION
As quiet as a conversation, BESSTIE® is ideal for noise-sensitive applications.

GENERATOR PERFORMANCE OPTIMIZATION
By handling low loads and peak demands, the BESS reduce fuel consumption by up to 90% in hybrid mode and significantly extends generator lifespan.

FAST & EFFICIENT DEPLOYMENT
With a compact and lightweight design, BESSTIE® is easy to transport and set up, allowing for rapid deployment in diverse environments.

SCALABLE & CONFIGURABLE
Scalable according to your power needs, BESSTIE® easily parallels with other systems and can be used for a wide range of applications.

LONG-TERM RELIABILITY
Built to withstand tough environmental conditions with a robust, weather-resistant canopy and steel frame.

IN-HOUSE BATTERY EXPERTISE

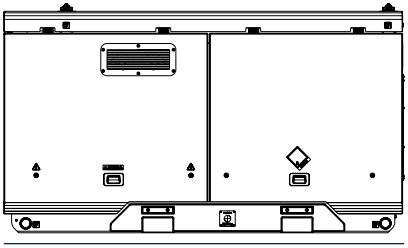
PROPRIETARY HARDWARE & SOFTWARE
With 25 years of experience, we assemble our own modules and develop our own Battery Management System (BMS), ensuring precise control, optimal performance, and enhanced safety across all applications.

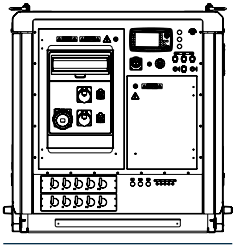
ADVANCED LFP TECHNOLOGY
BESSTIE® uses Lithium Iron Phosphate (LiFePO4) batteries, known for their superior safety, stability, longer lifespan and absence of rare earths & toxic metals.

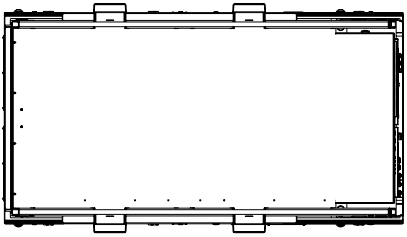
SUSTAINABLE & RECYCLABLE DESIGN
Unlike most competitors, BESSTIE® modules have cells that are screwed, not welded, making them easier to disassemble and recycle at the end of their life cycle, supporting a circular economy.

→ BESSTIE® 120, FIGURES

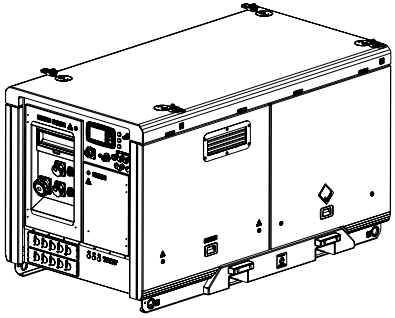
DIMENSIONS







Mass < 2500 kg | 5511 lbs



PERFORMANCE

Rated power	120 kVA
Battery Chemistry	LFP
Energy storage capacity	124 kWh
Rated Voltage	230/400 VAC (+/- 10%)
Frequency	50 Hz – 60 Hz
Maximum passthrough current	250 A
Rated current discharge	173 A
Recommended depth of discharge	80%