

BESS · BLOCK SERIES

MODULAR SCALABLE MOBILE ENERGY STORAGE

Block 15 · 15 kW rated output

Compact plug-and-play storage for microgrids, load shifting, renewable buffering, off-grid supply and back-up power. One person, one pallet truck, one hour to live power.

15 kW

RATED OUTPUT

33 kWh

RATED ENERGY

21.8 A

RATED CURRENT

30 kW

SOLAR INPUT

APPLICATIONS

Microgrids

Load shifting

Renewable buffering

Off-grid supply

Back-up power

Events & film

BLOCK 15

15 kW · 33 kWh

15 kW

RATED OUTPUT

A stackable 33 kWh block of silent power, charged by grid, solar or generator and scaled up to six units side by side.

RATED ENERGY

33 kWh

RATED CURRENT

21.8 A

SOLAR INPUT

30 kW

ELECTRICAL

400 V · 3P+N+PE

LIFEPO · TRANSFORMERLESS



Block15 in off-grid deployment

APPLICATIONS

Microgrids · Load shifting · Renewable self-consumption · Off-grid supply · Back-up power · Events & film

TECHNICAL SPECIFICATION

BATTERY

Chemistry and energy	LiFePO ₄ , 33 kWh
Usable energy	30 kWh at 90% DoD
DC voltage range	550 – 950 V

POWER OUTPUT

Rated output	15 kW, 22.5 kVA
Peak output	120% for 10 min · 150% for 10 s
Voltage, frequency, phase	380 / 400 V · 50 / 60 Hz, 3P + N + PE
Rated current	21.8 A
Hold time at rated output	2.0 h

CHARGING AND SOURCES

AC charge input	15 kW
Solar input	30 kW, MPPT 160 – 950 V
Parallel capability	Max. 6 in parallel

PHYSICAL AND ENVIRONMENT

Enclosure	IP54, Natural cooling
Operating temperature	–20 to +50 °C
Noise	≤45 dB
Dimensions (L x W x H)	1040 × 1092 × 1157 mm
Weight	670 kg
Interfaces	3P + N + PE

THE CHARGER

GRID. SOLAR. GENERATOR.

Automatic charge control across all three sources, with automated start/stop for a connected genset. The Block15 quietly tops itself up from whatever is available and hands the site clean, stable power.

AC CHARGING

15 kW

MPPT WINDOW

160–950 V

PV INPUT

30 kW max

EFFICIENCY

98% PVAC

THE PLATFORM

ONE CABINET · EVERYTHING INSIDE

— LiFePO battery

33 kWh rated capacity at 90% depth of discharge on a 550–950 V DC bus.

— Transformerless inverter

98% PV-to-AC efficiency with 120% overload for 10 minutes and 150% for 10 seconds.

— Dual-MPPT solar input

Up to 30 kW of PV across two trackers with a wide 160–950 V operating window.

— Safety built in

Hot-aerosol fire suppression at cell and cabinet level inside an IP54 enclosure.

WHY BLOCK SERIES

AUTOMATIC CHARGING CONTROL

Charge from grid, solar and diesel sources, with automated generator start/stop for hands-free efficiency.

EASY SETUP & MAINTENANCE

Plug-and-play deployment, minimal maintenance and remote control for optimal reliability.

COMPACT MODULAR CONFIGURATION

Lightweight, easy-to-deploy modular system that scales up to 6 parallel units for increased power.

ENHANCED SAFETY & REDUNDANCY

Minimises diesel risks and provides back-up power for critical operations during outages.

IMPROVED RELIABILITY

Eliminates downtime from generator breaks and maintenance, and protects sensitive drives from poor power quality.

LOWER OPEX & CARBON FOOTPRINT

Reduces diesel fuel consumption and maintenance costs while lowering Scope 1 emissions.

Ready to size your Block Series system?

Sales, after-sales and project support across the North Sea Region: Ireland, Benelux and the Nordics.

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