

120 kW / 120 kWh

Battery Energy Storage System (BESS)

A greener solution for a more efficient performance.

Our 120 kW batteries are designed to meet the requirements for off and on-grid applications, and are ideal for renewable power plants. Designed with lithium ion batteries, this portable unit is ready to supply power in the most demanding situations, working in island mode, as a part of a hybrid solution together with a generator or in parallel with more BESS.

FEATURES

Wide operating temperature range (-4 °F to 122 °F).

Power conversion system that combines inverter and charger (bi-directional).

ECO controller (HMI with 12" touch screen) provides intuitive control and monitoring for all batteries and power electronics integrated in the battery pack. Setting operating parameters and performance check.

Overload capability $\leq 110\%$ of nominal value (max. 10 min).

Deliver zero CO₂ emissions, low noise and minimum maintenance needs, enabling operators to minimize environmental impact.

Designed for ease of maneuverability and transportation.

Designed and built to Aggreko's uncompromising quality standards.

544A passthrough, ideal for supporting large motor start equipment such as tower cranes.

Low noise levels, ideal for projects in noise sensitive areas.

120 kW

120 kWh



BENEFITS

Environmentally friendly, helps meet emissions regulations.

Reduced generator run time and fuel consumption, enabling cost savings and autonomy.

Enables management of variable loads by storing excess energy for later, increasing reliability and eliminating light load periods.

Reliable and intuitive controls for ease of use and diagnostic capabilities.

Increased utilization with simple service and long service intervals.

Fast installation and commissioning.

Backed by Aggreko's support, including remote monitoring, for enhanced reliability and uninterrupted operation.

Seamlessly integrates with the entire Aggreko eco-system, simplifying installation and commissioning.

Renewable optimizations, ability to work with other power sources such as wind or solar to maximize use of renewables.

Ideal for use as part of an on or off-grid system. Can be used in island mode, as hybrid solution together with a diesel generator or in parallel with more energy storage systems.

Key data

Delivered power	120 kW
Energy capacity	120 kWh
AC voltage allowable range	+/-10 %
AC INPUT voltage range	480 V +/- 10 % (208 V +/-10 %)
AC OUTPUT voltage - 60 HZ	480 V / 208 V

Certification

Declaration of conformity	UL 1741 SA, , IEEE 1547, UL 9540, CSA 22.2 UN 3536, UN 38.3
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Physical data (with trailer)

Length	179 in
Width	84 in
Height	114 in
Weight (Net)	9,405 lbs

Lifting

Forklift	Yes (trailer must be removed)
Overhead	Yes

Output (when external source available)

Maximum load (all phases) before generator start command (kW)	Configurable based on application
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Output (stand-alone)

Standby rating (kW)	132 kW (max 10 min)
Prime rating (kW)	120 kW

Energy storage

Technology	Lithium Iron Phosphate LiFePO4
Type	76.8NESP200
Operating temperature	-4 °F to 122 °F
D.C. power	120 kW
Energy capacity (nominal)	123 kWh
Energy capacity (usable)	114 kWh
Charge time (minimum)	1 hour (2 hours preferred)

Power connectors

Connection Type	Camlock or Busbar
Max pass through current / phase	Common bus arrangement
Isolation transformer included	Yes
Multiple BESS	Yes in parallel

Fire suppression system

Suppressant type	N / A
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