

Powercity

466kWh/500kW

Battery Energy Storage System (BESS)

A greener solution for a more efficient performance.

Our mid-node 466kWh/500kW Battery Energy Storage Systems (BESS) are designed to satisfy a variety of on and off-grid applications, enabling reduced emissions and costs. With their fully integrated, plug-and-play design, they can supply power in the most demanding situation, offering flexibility, reliability and efficiency, without any required capex. These batteries can be operated in the modes for island, construction, manufacturing etc., as a part of a hybrid solution with a generator or in parallel with additional BESS, and is ideal for renewable power applications.

Energy innovation for
a balanced planet

バランスのとれた地球のためのエネルギー革新

Efficient Energy Storage,
Green Future



Benefits

- Environmentally friendly, helps meet emissions regulations
- Reduced generator running times and fuel consumptions, 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 utilisation with simple service and long service intervals
- Fast installation and commissioning
- Backed by Powercity's support, including remote monitoring, for enhanced reliability and uninterrupted operation

Features

- Wide operating temperature range from -20°C~55°C
- Power Conversion System that combines inverter and charger
- Low internal resistance and high efficiency
- EMS controller provides intuitive control and monitoring for all batteries and power electronics integrated in the system
- Overload Capability $\leq 110\%$ of nominal value (max. 3 mins)
- Delivers zero CO₂ emissions, low noise, and reduce maintenances, enabling operators to minimize environmental impact
- Designed for ease of manoeuvrability and transportation
- Static Transfer Switch for ease parallel to generator or other BESS nonstop or transfer within 20 ms
- Designed and built to Powercity's uncompromising quality standards

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Key data

Max. AC power output	500kW
Energy capacity	466kWh
AC INPUT voltage range	380~440V
AC OUTPUT voltage range	380~440V

Certification

Declaration of conformity	CE Certified, IEC 62619, IEC 62477, IEC 61000-6-2:2019, IEC 61000-6-4:2019, UN 3536, UN 38.3
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Physical data

Length	2990mm
Width	2350mm
Height	2390mm
Weight	10000Kgs

Energy storage

Battery Type	Lithium Iron phosphate
Nominal Voltage	832Vd.c.(716.8~934.4Vd.c.)
IP Rating	IP 54
Fire Suppression System	Perfluorohexanone

Philippines Distributor:
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