

# Powercity

232kWH/250kW

## Battery Energy Storage System (BESS)

*A greener solution for a more efficient performance.*

Our mid-node 232kWh/250 kW 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 ≤110% of nominal value (max. 3 mins)
- Delivers zero CO<sub>2</sub> 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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### Battery Energy Storage System(BESS)



#### Key data

Delivered power	250kW
Energy capacity	232kWh
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	3150mm
Width	1550mm
Height	2350mm
Weight	4500Kgs

#### Energy storage

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

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