

250kW

Inverter for battery energy storage systems

Lineup for battery energy storage systems newly added to the "Air-Conditioner-Free" series that realized outdoor salt tolerance specification

NEW

Standard specifications

Model	B250JHL2-A01
Rated output	±250kW
Installation place	Outdoor
Peripheral temperature	-20°C~45°C
Insulation method	Transformer-less
Operating DC voltage range	485~750Vdc
Rated input voltage	600Vdc
Rated output voltage	300Vac (Interconnected operating range Within +10% / -10%)
Frequency	50/60Hz
Power conversion efficiency (maximum efficiency) ^{※1}	98.1% (The loss of auxiliary machine isn't included.)
Dimensions (W) × (D) × (H)	1,200 × 1,090 × 2,213mm
Outline mass	1,100kg
FRT function ^{※2}	○
Recorder function ^{※3}	○

Features

As the inverter for large-scale battery energy storage systems. Outdoor salt tolerance specification is realized outdoor installation with a single inverter is possible

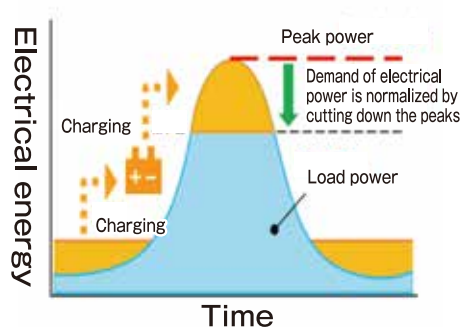
Significant space saving with Daihen's indigenous high efficiency conversion technology and power saving by using heat exchange (HEX) cooling method.

Used long life parts for main circuit further, minimized maintenance parts for significantly reducing maintenance costs ^{※4}

We can also deliver battery energy storage systems and the peripheral devices as one package

Benefits of installation

1.Reduction of basic electricity charge by cutting the peaks of power

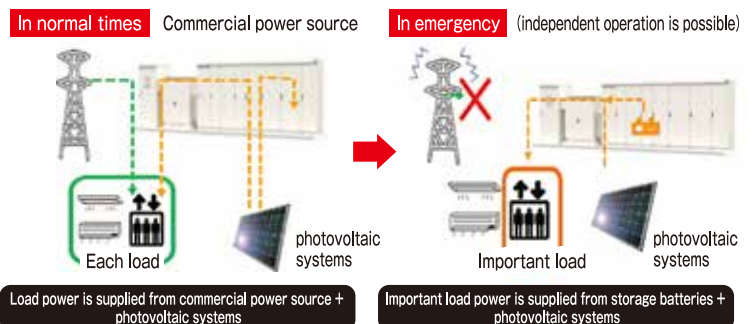


During the time period with small load such as holiday or night time, the battery energy storage systems is charged. During the time period when the load power concentrates, power is discharged, which cuts down the peaks of power.

Reduction of about 13 Million Yen^{※5} in 20 years

2.Use for BCP^{※6} measure as emergency reserved power source

Example of use of emergency power source on the basis of our package product that is equipped with the photovoltaic systems.



Load power is supplied from commercial power source + photovoltaic systems

Important load power is supplied from storage batteries + photovoltaic systems

^{※1} Reference value. Includes tolerance on the basis of JEC2410. ^{※2} FRT conditions based on interconnected system regulations (JEAC9701-2016) are applied.
^{※3} It is a function to save the system state / device internal information in the time zone before and after the failure is detected. ^{※4} Comparison with our conventional product
^{※5} Calculated on the basis of storage cell capacity of 200kWh, contract power reduction 50kW, basic charge 1,269 Yen, and power factor 1.00
^{※6} Business Continuity Plan (BCP) Some of the information given here may be changed without any notice.