Solves the problem of reducing electricity charges FEMS (Factory Energy Management System) solution

For private consumers photovoltaic systems and battery energy storage systems transformer facility package

DISOLA® POWER STORAGE PACK



Use photovoltaic systems for private consumption at the factory

Reduction of electricity charges

Convert solar power without waste with industry's highest conversion efficiency. It can be effectively used for private consumption.

Electrical energy

Load power generation

Load power generation

Purchased electricity=
Load power-Electric power generation

Time

With this system,

you can reduce 100 Million Yen / 20 years of electricity charges

(Tentative calculation with unit price: 16 yen / equipment utilization rate 14%) *In the case of 20 years with 250kW of photovoltaic systems

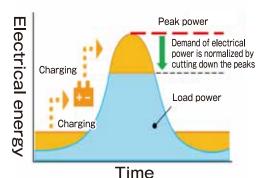
Time



Cut the peak of electric power with battery energy storage systems

Reduction of electricity charges

Electricity generated by solar power and nighttime electricity are stored in the battery energy storage systems. By discharging in the time period when the load power concentrates, the peak of electric power is cut. It helps in minimizing the increase in basic electricity charge.

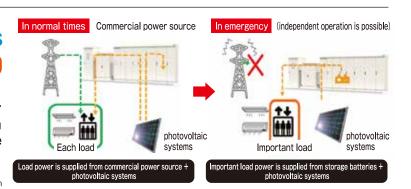


Solution 3

BCP*Measures

In preparation for disasters

In the emergency when the commercial power source is cut off, by supplying electricity from photovoltaic systems and battery energy storage systems, it allows the use of important devices.



System configuration of DISOLA® POWER STORAGE PACK



Feature 1

Utilizing photovoltaic systems without waste with industry's highest conversion efficiency

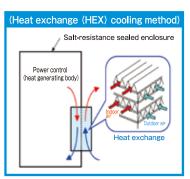
The system is composed by combining solar inverter with "air-conditioner-Free" and "solar transformer" having industry's highest class maximum efficiency. High efficiency in total system has been realized.

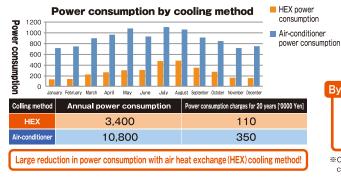


Feature 2

Reduction in running cost due to excellent energy saving

We adopted the air heat exchange system which was awarded the industry's first energy conservation award for cooling the power control.





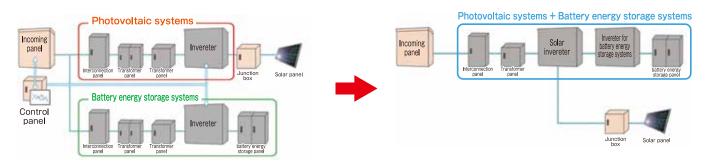
About 2.4 Million Yen increase in earnings in 20 years

**Calculated for 250kW+250kW system and electricity

Feature 3

All in one package which is compact and which reduces installation charges

A compact configuration with integrated photovoltaic systems and battery energy storage systems. By packaging it in one, system design is simplified. It is compact and it can be installed in one day at the shortest.



Daihen Head Office Juso (Osaka, Japan) Works Permanent Display

In addition, a monitoring monitor is installed in the lobby of the building that can display the amount of power generated by solar panels, the amount of charge and discharge power, and the amount of electricity purchased in real time.





Product name	DISOLA® POWER STORAGE PACK
Power control capacity	PV 250kW + battery energy storage systems 250kW
Rated output voltage	6,600V
Power control operation DC voltage range	430Vdc~850Vdc
Specifications of battery energy storage systems	Lithium ion battery
Capacity of battery energy storage systems	200kWh*
Dimensions $(W) \times (D) \times (H)$	9,000×1,700×2,406mm
Approximate mass	12,000kg
Place of installation	Outdoors

%Please consult us about the capacity of battery energy storage systems