

# Outdoor Cabinets Solution





Sorotec Outdoor cabinets was developed for easing customers' pressure in site acquisition, meeting customers' requirements for energy saving and flexible expansion. As an innovative installation solution for site equipment, it not only has a large housing capability like traditional shelter, but also adopts independent compartment temperature control method as outdoor cabinets. Because Outdoor cabinets has few limitations on application scenarios and can satisfy customers' different requirements, it is gaining more and more popularity in modern site.

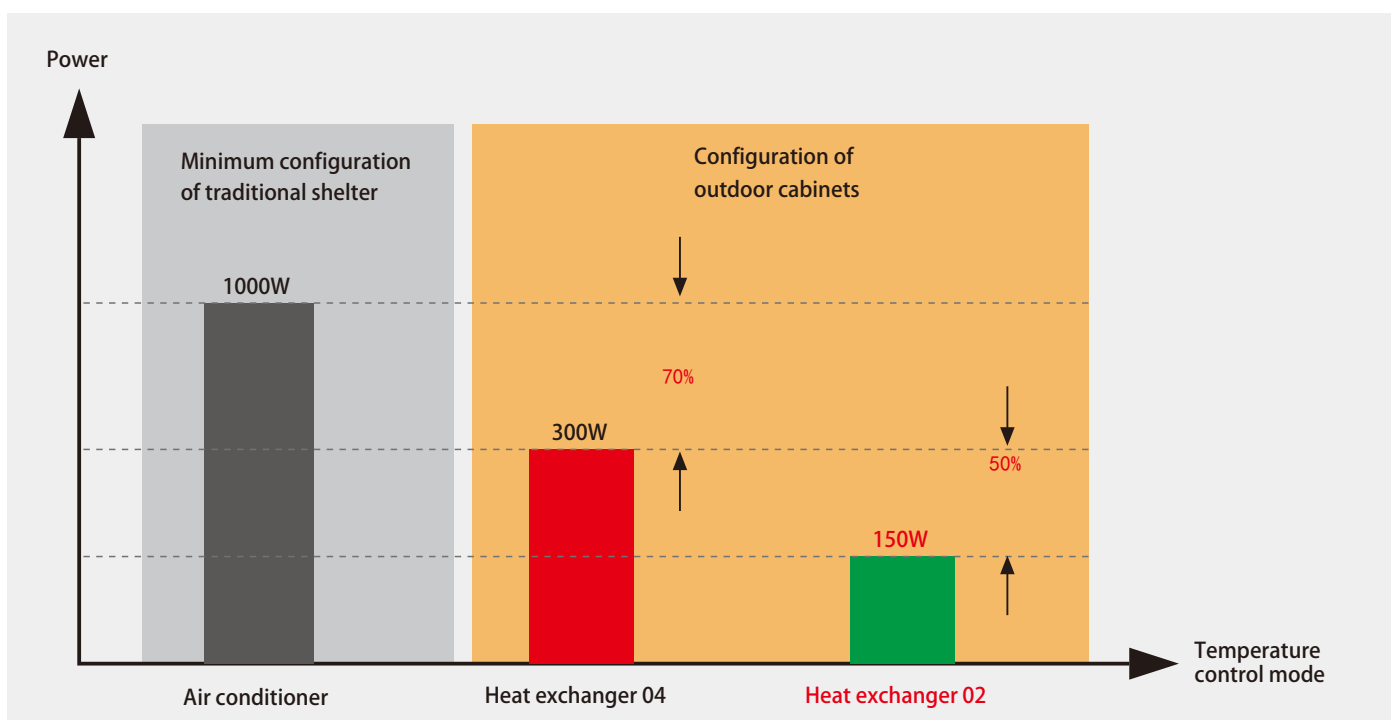


## Application Case



## Footprint and energy saving

- Mini-size, decreasing 60% footprint, easing site acquisition pressure and decreasing deployment cost
- In non-high-temperature areas\*, using independent temperature control method without A/C , reducing 50-80% cooling power consumption
- In high-temperature areas\*, adopting intelligent heat exchanger system, decreasing A/C running time, saving energy 40-60%
- Independent cooling for battery, prolonging its lifespan 2-5 years.



### Notes:

None-high-temperature area refers to the area where the total time of the temperature higher than 40°C is less than 12 days(288h) in one year.

High-temperature area refers to the area where the total time of the temperature higher than 40 °C is equal to or longer than 12 days(288h) in one year.

TEC: Thermal electric cooler

A/C: Air conditioner

HEX: Heat Exchanger

## Modular configuration , flexible expansion

- Modular configuration. Providing series combinations by three basic function units, “equipment cabinet, auxiliary cabinet, and storage battery cabinet”
- Easy configuration according to customer needs
- According different working temperature demands of different equipment , every cabinet has individual cooling method
- Flexible expansion , and easily solves the management problems of co-site.



Example of modular configuration “equipment cabinet + auxiliary cabinet + storage battery cabinet”



Side by side expansion



Back to back expansion

## All-in-one, Orderliness

- Large housing capability, minizing the number of outdoor cabinet
- All-in-one." Main equipment, temperature control equipment , power system, battery, ACDC, DCDU····."
- Simplifying the site design, making the site orderly



## Fast deployment, ROI improvement

- Supporting installation in the factory and transportation as a whole
- Supporting shipment in components and onsite assembly
- Onsite assembly for a three-unit-combination takes about 2 hours by 4 persons
- Less civil engineering



Crane lifting



Forklift moving

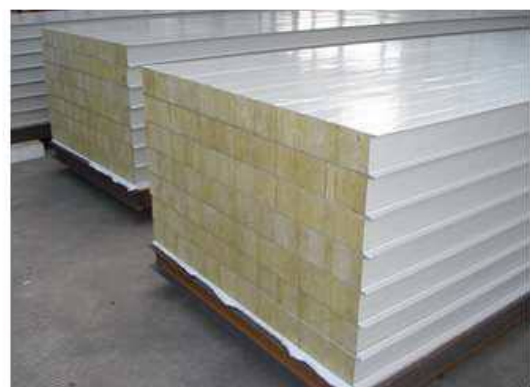


On-site assembly

## Material Optional:



Polyurethane foam sandwich panels



Rock wool sandwich panels

## Application case

