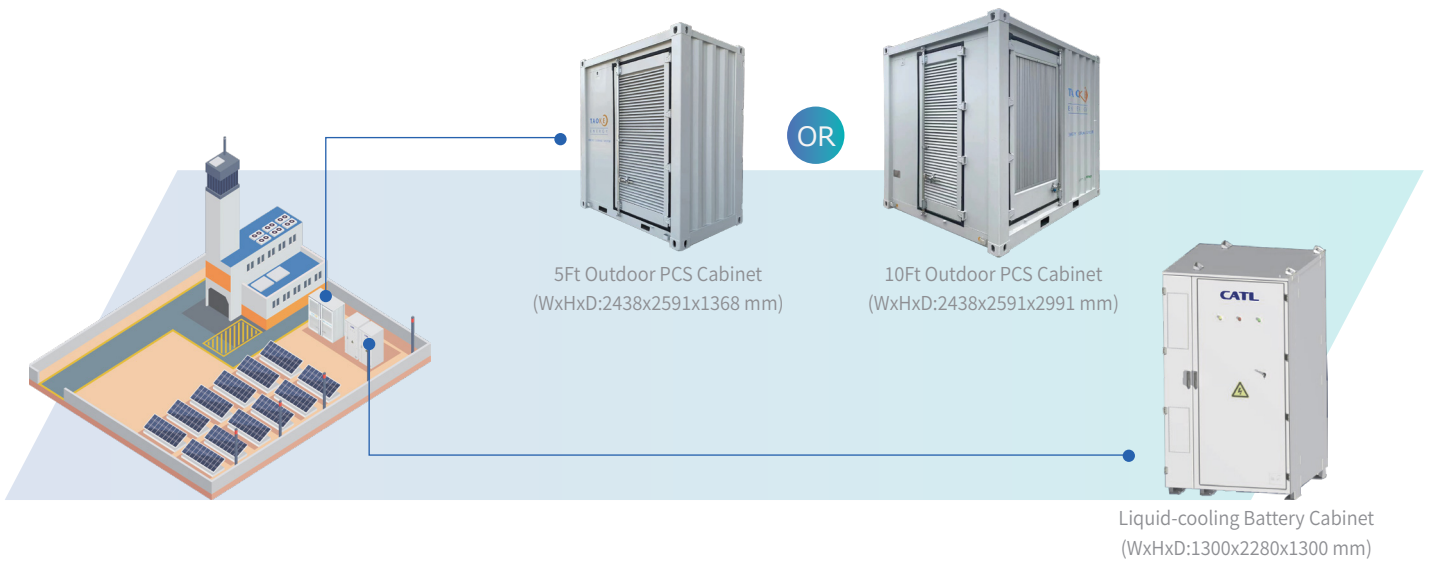


# TAOKE ENERGY



## Commercial & Industrial Energy Storage System



The ESS consists of 5Ft/10Ft outdoor PCS cabinet and liquid-cooling battery cabinet, which can be flexibly combined to meet various capacity requirements.

The high-integrated PCS cabinet and battery cabinet can improve the delivery efficiency, save space and reduce on-site workload.

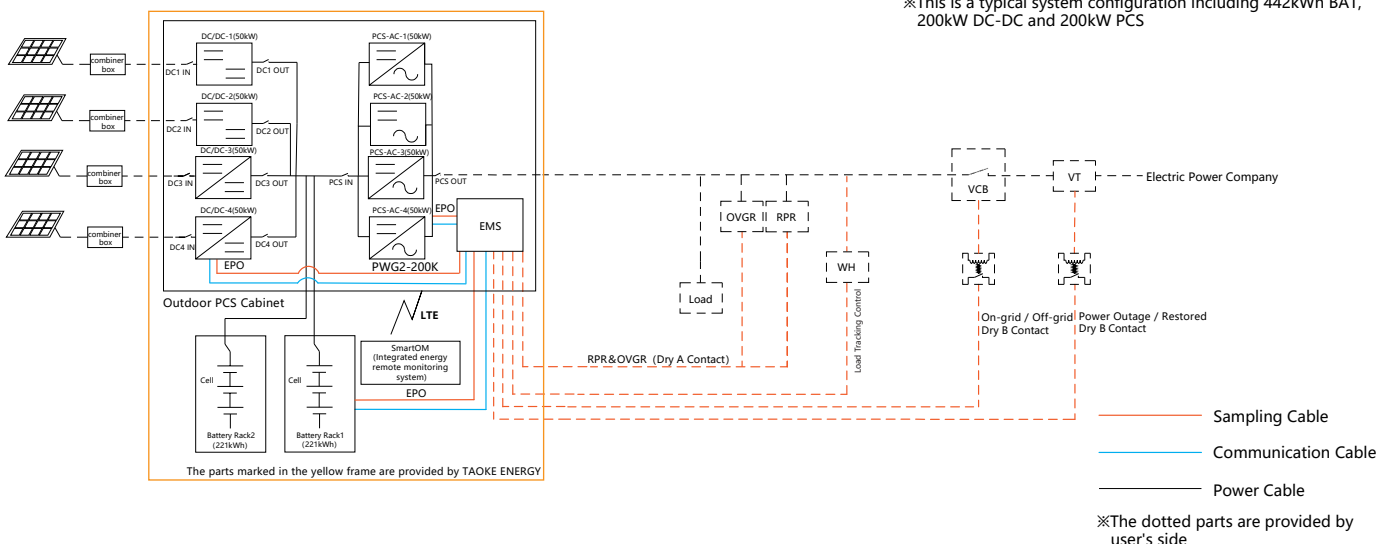
The ESS adopts liquid-cooling battery cabinet EnerOne produced by CATL with characteristics of long product life, high integration and intrinsically safe.

The operating temperature of the ESS has wide operating range, it can be normally operated from -30°C to 50°C.

EnerOne configuration can control the temperature difference between the battery cells within 3°C and increase the product life by 33%.

Self-developed EMS can be applied to various scenarios like self-consumption, peak shaving and load shifting, peak to valley arbitrage, etc.

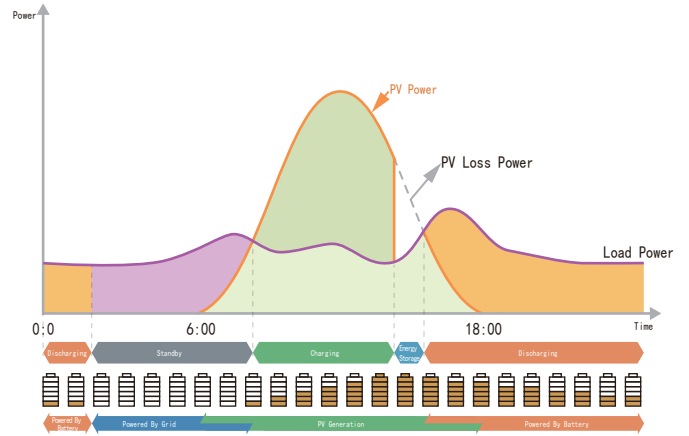
## Circuit Diagram Of ESS:



## Layout Diagram



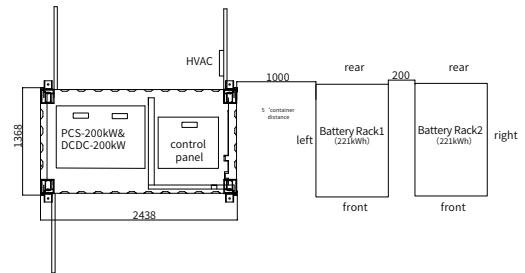
## Self-consumption Operating Mode



## User-side ESS

### 5Ft Outdoor PCS Cabinet & Liquid-cooling Battery Cabinet

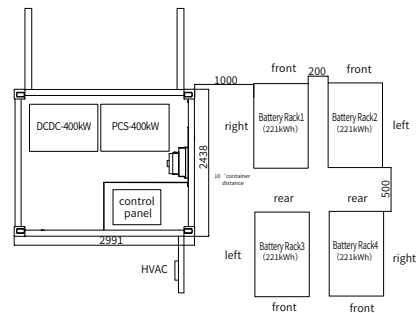
✓ Customized As Needed



※This is a typical system configuration including 442kWh BAT, 200kW DC-DC and 200kW PCS.

### 10Ft Outdoor PCS Cabinet & Liquid-cooling Battery Cabinet

✓ Customized As Needed



※This is a typical system configuration including 884kWh BAT, 400kW DC-DC and 400kW PCS.

ESS Specification	O552280-E	O852280-E
Cell	280Ah	280Ah
Nominal Voltage	832V	1331.2V
Battery Capacity	221.2kWh	372.7kWh
Standard Charging & Discharging Conditions	Max 0.55C, max holding time 1min	
Cycle Period	≥8,000 (0.5C, at 25°C, 60% SOH)	
Operating Temp Range	-30~50°C	
IP Level	IP66	
Dimension [W x H x D]	1300 x 2280 x 1300 mm	
Weight	About 2460kg	3500kg
Cooling Mode	Liquid cooling	



Liquid-cooling Battery Cabinet



IEC 62619



UL 1973



IEC 62477-1

**UN38.3**

UN 38.3



IEC 61000-6-2/-4



UL 9540A

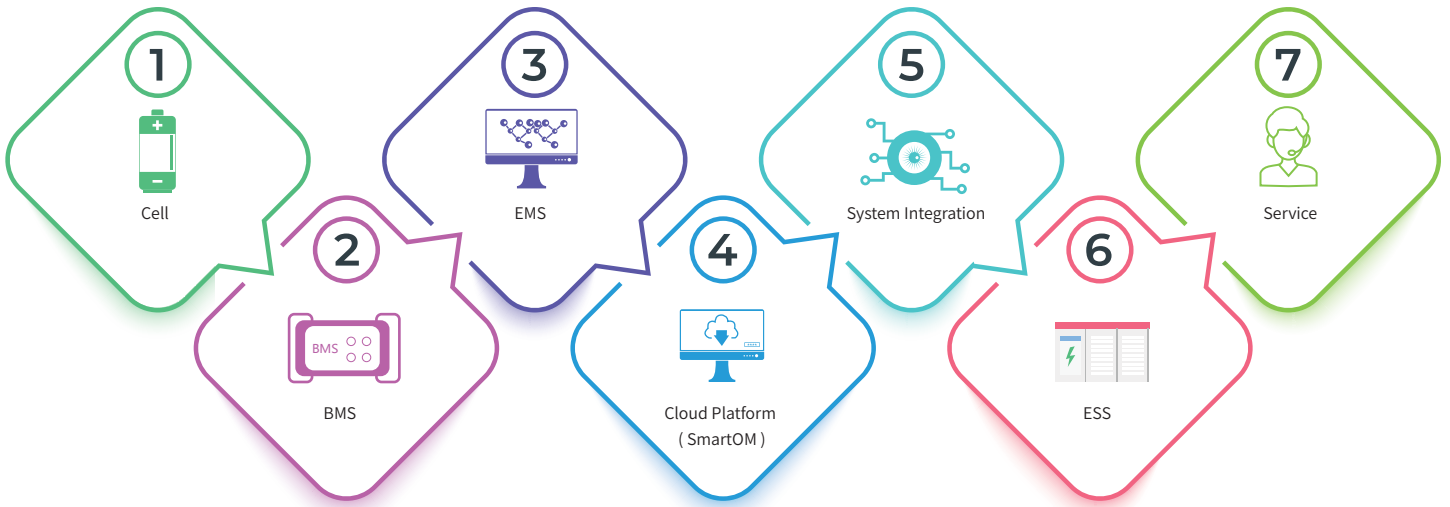


IP66

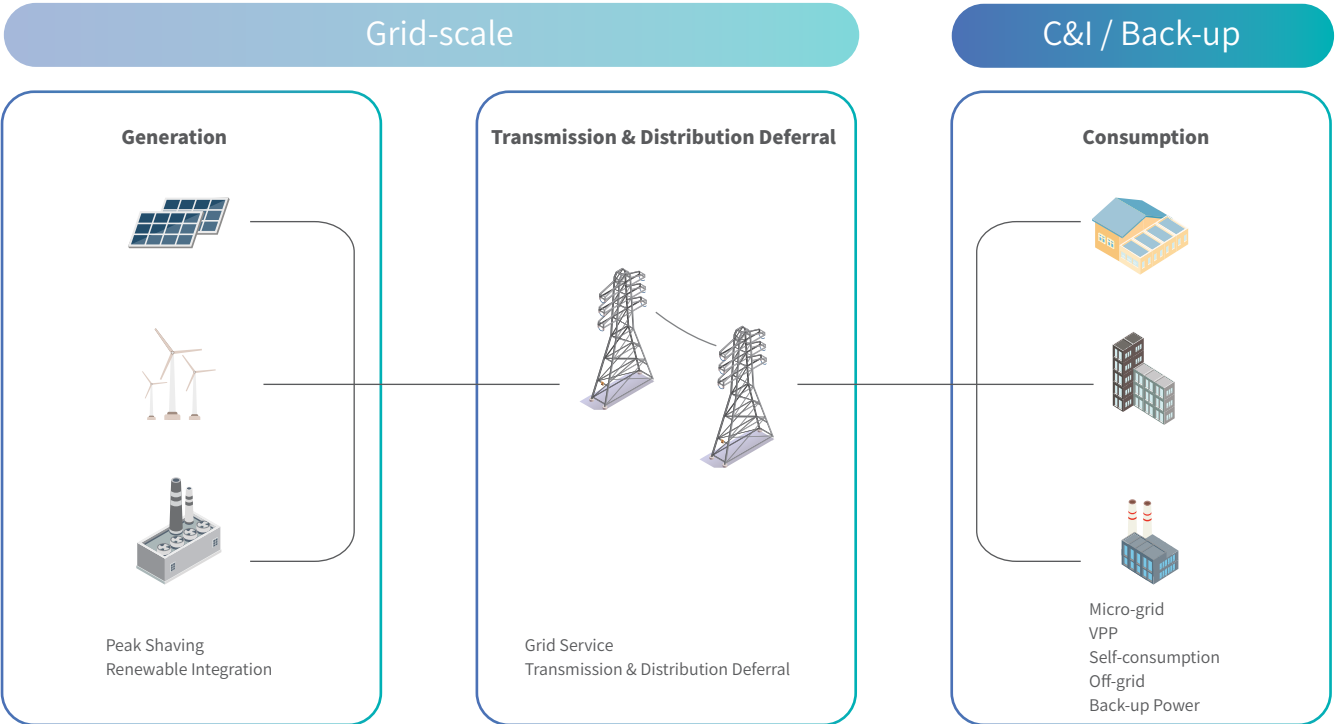
**C5-I**

C5-I

# Our Expertise



# Major Applications



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