



120kWh C&I Outdoor ESS Cabinet

FROM GRID TO HOME

KEY FEATURES



Smart Thermal Engine

- High-efficiency air conditioner, precise control.
- Stable operation at -20°C .
- Optimized airflow, slower aging.

Full-Spectrum Safety

- Aerosol fire suppression, active explosion venting
- High-safety LFP cells, long cycle life.
- IP55 rated for outdoor use.

Any-Scenario Adaptability

- External PCS, flexible configure.
- Indoor and outdoor ready.
- Compact cabinet, more usable space.

Fast Deploy, Easy O&M

- Highly pre-integrated, fast install.
- Door-mounted cooling, easy service.
- Max 4 clusters in parallel, Flexible expansion.



120kWh C&I Outdoor ESS Cabinet

Type Designation	SieB-C100K-F		SieB-C120K-F
Technical data			
Cell type	LFP (LiFePO4)		
Rated Capacity [Ah]	314		
Pack Rated Energy [kWh]	20.09		
Pack Configuration	1P20S		
Number of Packs	5	6	
System Configuration	1P100S	1P120S	
Rated Energy [kWh]	100.45	120.54	
Usable Energy [kWh]	95.42	114.51	
Rated Voltage [Vdc]	320	384	
Operating Voltage Range [Vdc]	280~360	336~432	
Max.Charging / Discharging Current [A]*	157		
Operating Temperature [°C]	Charge : -20~+50, Discharge : -20~+50		
Storage Temperature [°C]	-30~55 (<6 Months) ; 0~35 (<1 Year)		
Humidity	0~95% (No condensation)		
Dimensions (W*D*H) [mm]	690*1335*2050		
Weight [T]	1.05	1.2	
Degree of Protection	IP55		
Anti-Corrosion Class	C4-M		
Cooling	Air conditioner		
Fire Safety Equipment	Aerosol (Cabinet Level)		
Warranty**	10 years (≥ 8000 time)		
Standard and Certification	IEC 62619, IEC 62477, IEC 61000,UN38.3		

* Max. Charging/Discharging Current / Power derating will occur related to Temperature / SOC/ Humidity;

** Refer to Swatten SieB-C-F Limited Warranty Letter.

FROM GRID TO HOME

Full Range From Power Generation, Transmission, Distribution To

Energy Storage

33 years

With 33 years of experience, specialized in equipment manufacturing and engineering services

Public Co.

Founded in 1993
Stock listed in 2004 (SZSE002028)

US\$5.0 Billion

2025 Turnover

TOP 3

Sieyuan 思源电气
Electrical Equip. Manufacturer

1,000kV

Full range product: 10kV -1,000kV

100+

With 10,000+ employees in 100+ countries and regions

22

22 Manufacturing bases



C&I and Residential BESS

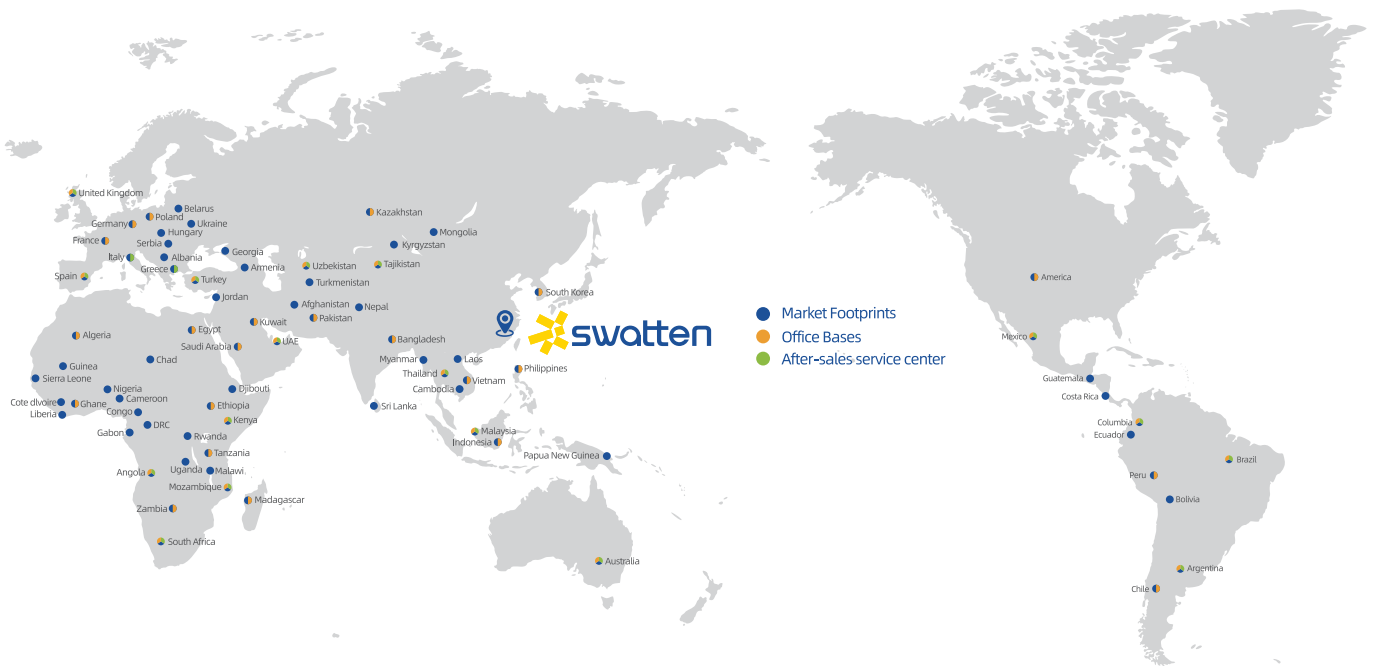


esGrid

Grid-level energy storage

Sieyuan Utility Scale BESS







Swatten's Global Cases



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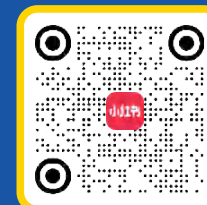
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