swatten
Powered by Sieyuan

BNEF Tier 1
Energy Storage Manufacturer



Stand-alone BESS (LV)
SieB-L16K0-M 16kWh

FROM GRID TO HOME

Shanghai Sieyuan Watten Technology Co., Ltd.
Member of Sieyuan Electric Co., Ltd.

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KEY FEATURES



16kWh
Large Single Unit Capacity for Full Household Power Backup Supply

51.2v
Low-Voltage Architecture for Safer & Easier Installation

15pcs
Flexible Parallel Expansion for Scalable Capacity

6000cycles
Superior Durability for a long operational life

7-in-1
intelligent BMS protection

Flexible
Wall-mounted, Floor-standing



Stand-alone BESS (LV) SieB-L16K0-M 16kWh

Type Designation		SieB-L16K0-M
Technical data		
Nominal Energy [kWh]		16.08
Usable Energy [kWh]*		16.08
Cell Type		LFP（LiFePO4）
Cell Configuration		1P16S
Nominal Voltage [V]		51.2
Operating Voltage Range [V]		44.8~56.8
Recommend Charging/Discharging Current [A]**		157
Max Charging/ Discharging Current [A]**		200
Recommend Charging/Discharging Power [kW]**		8.04
Max Charging/Discharging Power [kW]**		10.24
Communication		CAN / RS485
Weight [kg]		112
Dimensions (W*D*H) [mm]***		680*215*612
Operating Temperature [℃]		Charge: 0~50 / Discharge: -20~50
Storage Temperature [℃]		-20~45 (≤1 Months) / -20~25 (≤6 Months)
Humidity [%]		5~95
Altitude [m]		≤2000
Degree of protection		IP20（Indoor）
Cooling		Natural convection
Installation Location		Floor-standing / Wall-mounted
Display		OPT
Standard and Certification	Safety	IEC62619
	EMC	IEC61000-6-1/2/3/4
	Transportation	UN38.3
	Others	CE, ROHS
Warranty****		10 Years

* Test conditions：3.0V~3.5V, 0.2C Charge(CC-CV) and Discharge at 25±3℃; 100% depth of discharge (DOD);

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

*** The distance between two columns is considered as 350mm according to the size of screw tool;

**** Refer to Swatten SieB-L16K0-M Limited Warranty Letter.

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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

1400+
1411 Qualified engineers are the driving force behind the exceptional R&D progress

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

22
22 Manufacturing bases



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C&I and Residential BESS

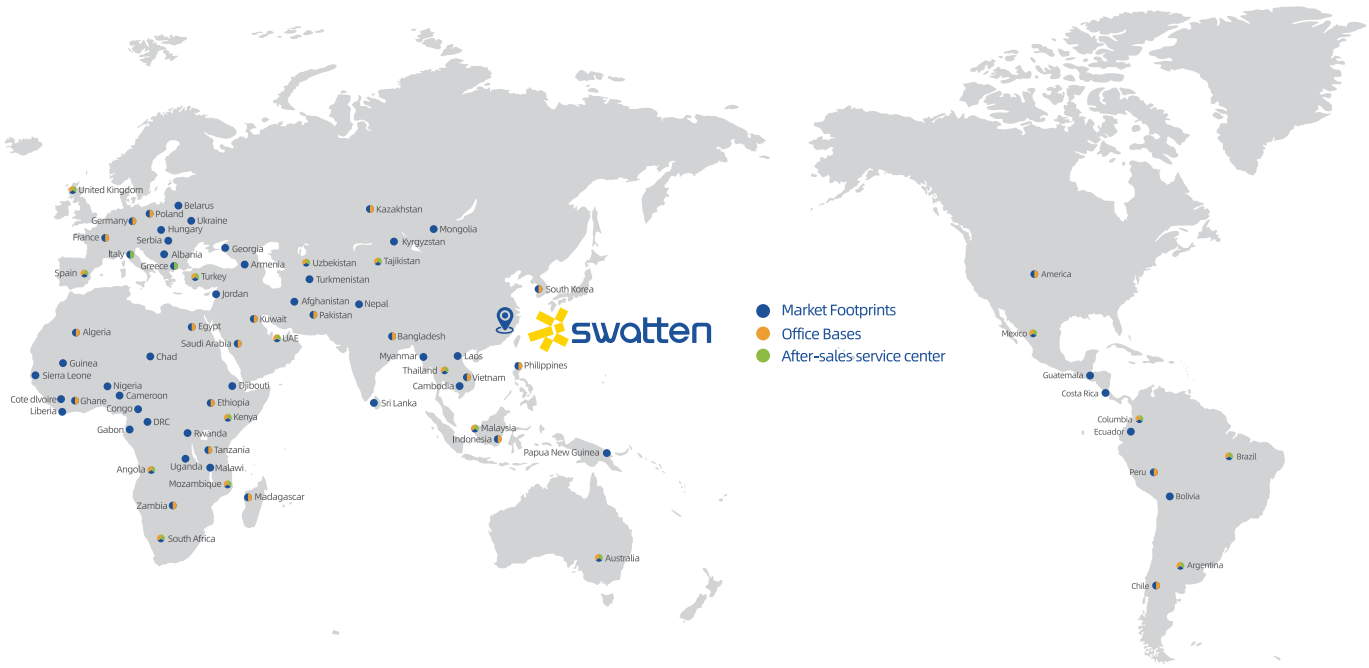


esGrid
Grid-level energy storage

Sieyuan Utility Scale BESS



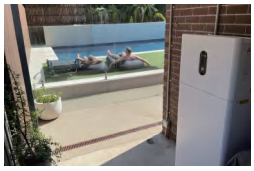
Global Marketing & Service Layout



Our Global Clients

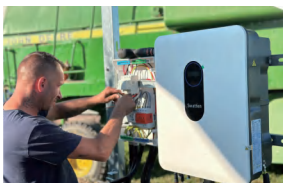
Swatten's Global Cases























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