

Servlith Series

Energy Storage Systems



SERVOTEC
smart power solutions



SERVLITH

Energy Storage System

Lithium Battery

51.2V 100Ah



About

Servotech is dedicated to creating value through transformative change, with a commitment to advancing a green future through sustainable development and relentless innovation. Our eco-friendly products are designed to lead the way in renewable energy and electric mobility. With an extensive presence spanning over two decades we have curated high value solutions.

Our green product portfolio features comprehensive solar solutions, including solar panels, inverters, and batteries. The Servlith Series energy storage systems are a notable addition to our robust lineup of efficient solar products, reflecting our forward-thinking approach. Recognizing the importance of integrating cutting-edge technology, we have developed these advanced energy storage systems. Servotech continues to push the boundaries of solar technology, ensuring we deliver superior performance and innovation to our customers.

Solar, Simplified with Servlith Series

Servotech's Servlith Series with its new and improved advanced technology redefines the concept of renewable power. Crafted with sincerity, built on reliability, Servlith series is a reflection of Servotech's long lasting legacy of technology driven reliable and durable products.

Here is why you should choose us :

- **Industry Leader:** As a pioneering solar solutions provider, Servotech leads innovation in the renewable energy sector, with products trusted by customers globally.
- **Precision Engineering:** Our Servlith Series Lithium Battery are expertly crafted for efficient energy storage, ensuring maximum power output.
- **High Efficiency:** Designed with a focus on optimal performance, Servotech Lithium Battery provide high energy storage rates.
- **User-Friendly Design:** Featuring easy-to-use interfaces and simple installation, our Lithium Battery offer a seamless experience, making solar power accessible and convenient for all households.

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APPLICATION



Suitable for photovoltaic energy storage
High charge and discharge currents of up to 100A/200A, suitable for solar energy storage systems.



Ultra-long cycling life
5000 battery cycles, with 5-year warranty and designed lifespan of over 10 years.



LCD display
Equipped with a display screen with communication ports (CAN/RS485/RS232).



Wall-mountable design
Compact design of the energy wall, small size, space-saving.



Multiple protection design
Built-in protections against overcharge, over-discharge, over-temperature, over-current, Short-circuit, etc.



Communication friendly
Can communicate with different brands of hybrid energy storage Inverters.

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Technical Specifications

Technical Specification	2.5kWh	5kWh	4.8kWh	9.6kWh	14.4kWh	5.1kWh	10.2kWh	15.3kWh
Case design	Stand by the wall & Hang on the wall							
Battery Type	LiFePO ₄							
Nominal Battery Model	ST-SL2510	ST-SL2520	ST-SL4810	ST-SL4820	ST-SL4830	ST-SL5110	ST-SL5120	ST-SL5130
Nominal Capacity(25°C,0.2C)	2560Wh	5120Wh	4800Wh	9600Wh	14400Wh	5120Wh	10240Wh	15360Wh
Voltage range(VDC)	20~29.4V		40~58.4V					
Float Charge Voltage(VDC)	27.6V		55.2V			58.4V		
Max ContinuousDischarge Current(A)	100A				200A	100A		200A
Max Continuous charge Current(A)	100A							
Cycle life,+25°C,0.2C100%DOD	>5000Cycles							
Storage temperature	10~45°C							
Storage duration	3 Months at 25°C							
Degree of protection	IP20							
Communication	CAN/RS485/RS232, standard BMS with SERVOTECH inverter Communciation protocol							
Protection								
Protection	Over-current protection, Over-discharge protection, Short circuit protection, Over-charge protection							
Ambient								
Working Temperature	Discharge:20°C ~ +65°C Charge0°C ~ +45°C							
Humidity	0~95% (no condensation)							
Dimensions W x D x H (mm)	460*195*642	460*180*872	460*195*642	460*180*872	460*273*973	460*195*642	460*180*872	460*273*973

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Technical Specifications

Technical Specification	1280wh			2560kWh			3840kWh		
Case design	Stand by the wall & Hang on the wall								
Battery Type	LiFePO ₄								
Nominal Battery Model	ST-SL1210			ST-SL1220			ST-SL1230		
Nominal Capacity(25°C,0.2C)									
Voltage range(VDC)	10.5~14.5V								
Float Charge Voltage(VDC)	14V								
Max ContinuousDischarge Current(A)	100A								
Max Continuous charge Current(A)	50A								
Cycle life,+25°C,0.2C100%DOD	>5000Cycles								
Storage temperature	10~45°C								
Storage duration	3 Months at 25°C								
Degree of protection	IP20								
Communication	CAN/RS485/RS232, standard BMS with SERVOTECH inverter Communcation protocol								
Protection									
Protection	Over-current protection, Over-discharge protection, Short circuit protection, Over-charge protection								
Ambient									
Working Temperature	Discharge:-20°C ~ +65°C Charge:0°C ~ +45°C								
Humidity	0~95% (no condensation)								
Dimensions W x D x H (mm)	240*185*215								



INDIA'S MOST TRUSTED



रहो रेशन बिना टेंशन...

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Reg. Add. & Kundli Plant: Khata No. 1970, Khewat No. 1672, Khasra No. 21/20/2/2, Revenue Estate, Kundli, P.S.Rai, Sonipat, Haryana - 131029

Safiabad Plant: Killa No. 14/6/1/2 (0-3), 6/2/3 (5-13) Village-Safiabad, Pana Paposhian, Rai, Sonipat, Haryana-131029

