

# Servlith Series

## Energy Storage Systems



# 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.

# Servlith Series

## Energy Storage Systems

### Technical Specifications

Technical Specification	2.5 kWh	5 kWh	4.8 kWh	9.6 kWh	14.4 kWh	5.1 kWh	10.2 kWh	15.3 kWh
Case design	Stand by the wall & Hang on the wall							
Battery Type	LiFePO <sub>4</sub>							
Nominal Battery Model	<b>ST-SL2510</b>	<b>ST-SL2520</b>	<b>ST-SL4810</b>	<b>ST-SL4820</b>	<b>ST-SL4830</b>	<b>ST-SL5110</b>	<b>ST-SL5120</b>	<b>ST-SL5130</b>
Nominal Capacity(25°C,0.2C)	2560 Wh	5120 Wh	4800 Wh	9600 Wh	14400 Wh	5120 Wh	10240 Wh	15360 Wh
Voltage range(VDC)	20~29.4V		40~58.4V					
Float Charge Voltage(VDC)	27.6V		55.2V			58.4V		
Max Continuous Discharge 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 Communication protocol							
<b>Protection</b>								
Protection	Over-current protection, Over-discharge protection, Short circuit protection, Over-charge protection							
<b>Ambient</b>								
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	1280 Wh	2560 Wh	3840 Wh
Case design	Stand by the wall & Hang on the wall		
Battery Type	LiFePO <sub>4</sub>		
Nominal Battery Model	<b>ST-SL1210</b>	<b>ST-SL1220</b>	<b>ST-SL1230</b>
Nominal Capacity(25°C,0.2C)			
Voltage range(VDC)	10.5-14.5V		
Float Charge Voltage(VDC)	14V		
Max Continuous Discharge 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 Communication protocol		
<b>Protection</b>			
Protection	Over-current protection, Over-discharge protection, Short circuit protection, Over-charge protection		
<b>Ambient</b>			
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		



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बिना टेंशन...**

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

**Warehouse:** Khasra No. 8/5, 6, 14/2, 15/1, 16/2 Min & 17, Jakhauli Road, Jhundpur, Sonipat, Haryana - 131021

