

# Servlith Series

## Energy Storage Systems



## About Servotech Renewable

Servotech Renewable Power System Ltd. (NSE: SERVOTECH) is India's leading manufacturer of advanced clean energy solutions, specializing in solar Solutions, BESS and EV charging solutions. With a robust pan-India presence, agile manufacturing, and strong R&D capabilities, Servotech is driving India's transition toward a sustainable, energy-independent, and technologically empowered future. Through continuous innovation, strategic collaborations, and large-scale deployments, the company delivers reliable, high-performance solutions that support the nation's clean energy goals. Servotech's comprehensive portfolio spanning solar panels, inverters, Lithium batteries, and EV chargers reflects its commitment to engineering excellence and environmental stewardship. By aligning business growth with global sustainability standards, Servotech stands as a catalyst in shaping India's green energy transformation and powering a cleaner tomorrow.



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## Energy Storage Systems



### 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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## 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		

# INDIA'S TRUSTED



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