

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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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 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)	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 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 Communication 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	1280 Wh			2560 Wh			3840 Wh		
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 Communciation 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 TRUSTED



CONTACT US

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

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

