


PLS 5LV SERIES WALL STAND LITHIUM BATTERY SYSTEM

10.24kWh/15.36kWh/20.48kWh/25.60kWh

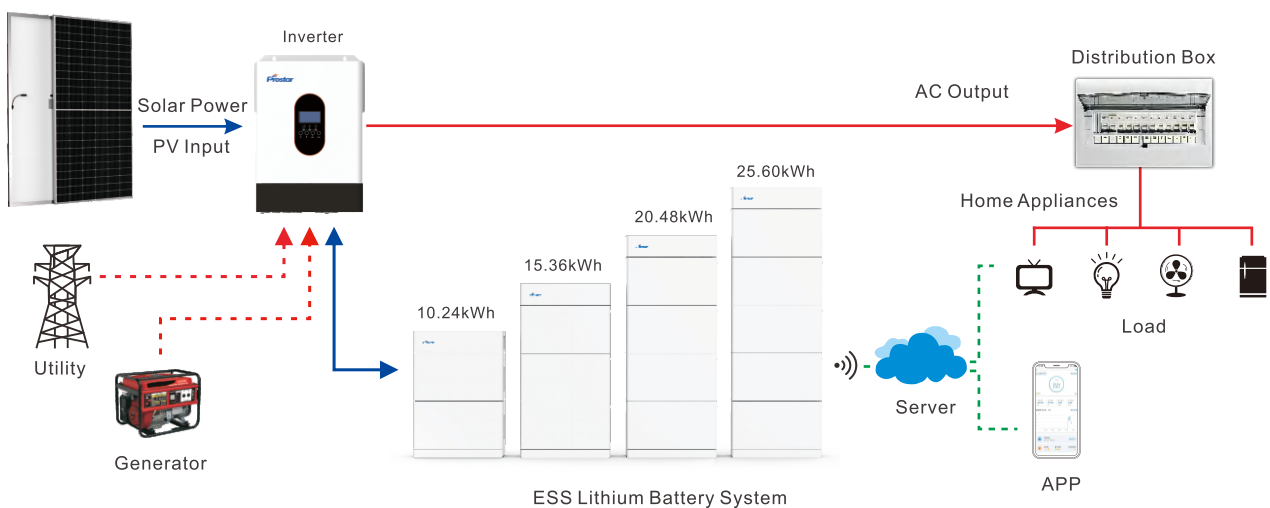


Performance Characteristics

1. LiFePO4 is used as positive material, long cycle life and good safety performance
2. Cycle life is no less than 6000 cycles @80% DOD, 0.5C.
3. Compact stack design, 5kWh per module
4. Easy installation, swappable stack no need cable connection between each module
5. System capacity available for up-to 25.6kWh
6. Battery cell is certified with IEC/ UL
7. Compatible for major Inverter brands in the market

Prostar PLS 5LV Series Wall Stand Lithium Battery System is a versatile and efficient energy storage solution designed for a range of applications. With capacities of 10.24kWh, 15.36kWh, 20.48kWh and 25.60kWh, these systems are built using LiFePO4 as the positive electrode material, which is known for its long cycle life and excellent safety performance. This chemistry ensures a minimum of 6000 cycles at 80% Depth of Discharge (DOD), providing durability and reliability for long-term energy storage needs. The compact stack design allows for each module to deliver 5kWh of energy, and the swappable stacks facilitate easy installation without the need for cable connections between modules. The system's capacity can be expanded up to a maximum of 25.6kWh, offering scalability to meet increasing energy demands. Certified by IEC and UL standards, these battery cells meet international safety and performance requirements, and their compatibility with major inverter brands ensures seamless integration into various systems.

Application Diagram



Technical Specifications

MODEL	PLS-5LV2	PLS-5LV3	PLS-5LV4	PLS-5LV5
Electrical Characteristics				
Rate voltage(VDC)	51.2			
Energy storage(kWh)	10.24	15.36	20.48	25.60
Cycle life	6000 cycles @80%DOD,0.5C			
Months self discharge	≤2%			
Charge/Discharge Standard				
Charge voltage(V)	56			
Max.charge current(A)	200			
Max.discharge current(A)	200			
Discharge cut-off voltage(VDC)	43.2			
Charge cut-off voltage(VDC)	58.4			
Environment				
Charge temperature	0°C to 50°C@60±25% Relative Humidity			
Discharge temperature	-20°C to 50°C@60±25% Relative Humidity			
Storage temperature	-20°C to 50°C@60±25% Relative Humidity			
Mechanical				
Protection Grade	IP65			
Installation	Stand Stack			
Product dimension LxWxH(mm)	640×205×897	640×205×1239	640×205×1581	640×205×1923
Package dimension LxWxH(mm)	760×335×450×2	760×335×450×3	760×335×450×4	760×335×450×5
	705×395×240×1	705×395×240×1	705×395×240×1	705×395×240×1
Net weight(Kg)	14+48×2	14+48×3	14+48×4	14+48×5
Gross weight(Kg)	21+53×2	21+53×3	21+53×4	21+53×5
Communication				
Protocol(Optional)	CANBus/RS485/RS232			
Monitoring	Bluetooth/WLAN Optional			
Certificates				
Cell	UN38.3,MSDS			
Pack	UN38.3,MSDS,IEC62619,CE,UL1973,UL2054			