

PLW SERIES WALL MOUNTED LITHIUM BATTERY PACK

5.12kWh/10.24kWh

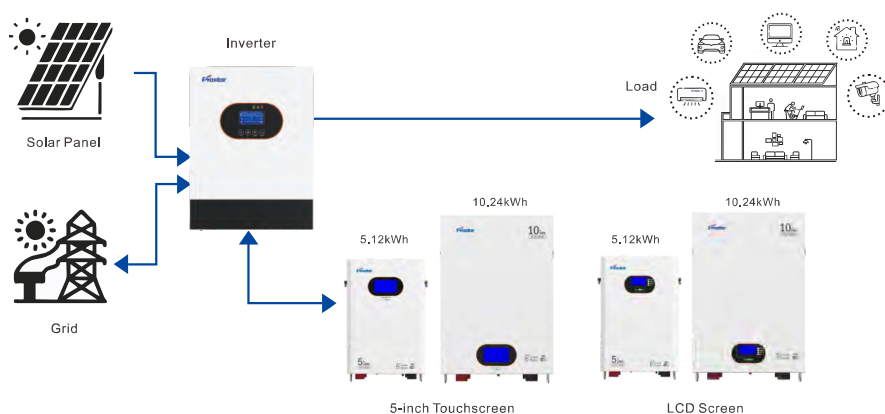


Performance Characteristics

1. 5-inch touchscreen, offering intuitive operation and clear status visibility
2. BMS & Breaker two Level over current protection
3. High charge/ Discharge rates supporting safety 1C fast charge/ Discharge
4. Wall-mounted compact design, available in 5.12/10.24kWh capacities
5. Plug & Play battery interface
6. Flexibly scalable, with a maximum support of 15 units of parallel operation
7. Compatible with most solar inverter brands on the market

Prostar PLW Series Wall Mounted Lithium Battery Pack delivers efficient energy storage with 5.12kWh and 10.24kWh capacities. It features a sleek design, user-friendly touchscreen, and advanced BMS with dual overcurrent protection. The pack supports fast 1C charge/discharge rates, offers plug-and-play installation, and scales up to 15 parallel units. Its broad inverter compatibility makes it a versatile choice for solar energy systems.

Application Diagram



Technical Specifications

MODEL	PLW24200	PLW51100	PLW51200
Electrical Characteristics			
Rate voltage(VDC)	25.6	51.2	
Cell combination	8S2P	16S1P	16S2P
Rate capacity(Ah)	100	100	200
Energy storage(kWh)	5.12	5.12	10.24
Cycle life	6000 cycles @80% DOD,0.5C		
Charge/Discharge Standard			
Charge voltage(V)	28	56	
Max.charge current(A)	100		200
Max.discharge current(A)	100		200
Discharge cut-off voltage(VDC)	22	43.2	
Charge cut-off voltage(VDC)	29.2	58.4	
Environment			
Charge temperature	0℃ to 50℃@60±25% Relative Humidity		
Discharge temperature	-20℃ to 50℃@60±25% Relative Humidity		
Storage temperature	-20℃ to 50℃@60±25% Relative Humidity		
Mechanical			
Protection grade	IP20		
Cell	LiFePO4		
Case material	Metal		
Installation	Wall Mount		
Product dimension L×W×H(mm)	580×390×185		690×485×226
Package dimension L×W×H(mm)	660×450×240		850×570×285
Net weight(Kg)	46	44	88
Gross weight(Kg)	51	49	98
Communication			
Protocol(Optional)	CANBus/RS485/RS232		
Monitoring	Bluetooth/WLAN Optional		
Certificates			
Pack	UN38.3,MSDS	CE/UN38.3/MSDS	UN38.3,MSDS
Cell	UN38.3,MSDS,IEC62619,CE,UL1973,UL2054		