

## PLR-S SERIES RACK MOUNTED LITHIUM BATTERY PACK

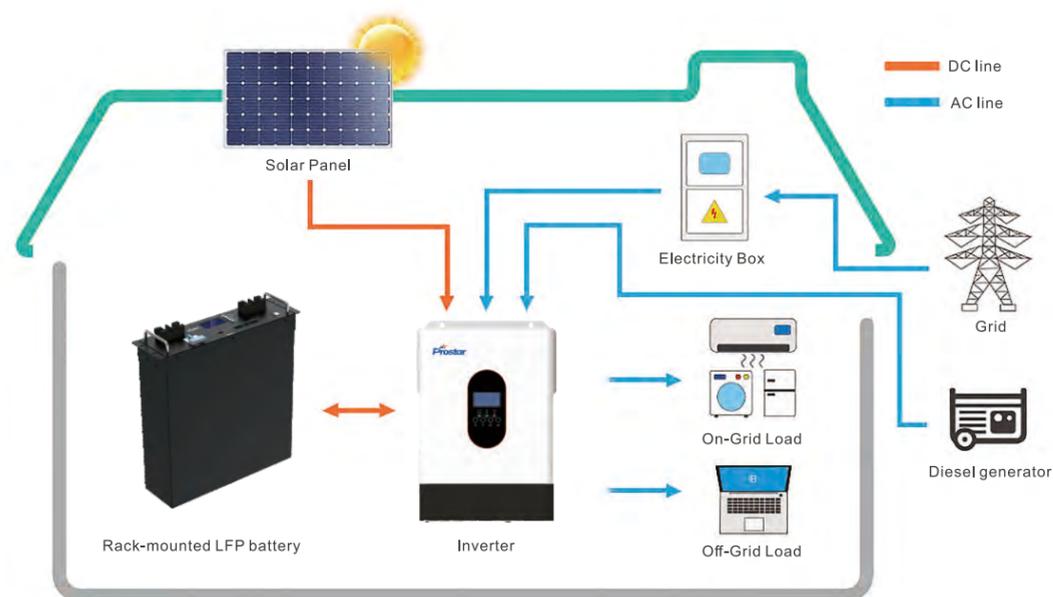
5.12kWh/10.24kWh



### Performance Characteristics

1. Safe and Reliable: Utilizes LiFePO4 as the positive material, ensuring the battery possesses a long cycle life and excellent safety performance.
2. Cycle Life: Guarantees a minimum of 6000 cycles at 80% DOD, 0.5C.
3. Standardized Design: Features standard 3U and 4U cases, ensuring good applicability.
4. Compatibility: Compatible with major inverter brands available in the market.
5. Wide Application: The lithium-ion pack series finds extensive use in commercial and industrial solar projects.
6. Space Saving: Eliminates the need for series connections, thus saving space.
7. LCD Display: Equipped with an LCD display and communication protocol that matches mainstream solar inverters.
8. Dual Pole Interfaces: Specially designed double positive and negative pole interfaces facilitate parallel stacking.
9. Integrated Smart BMS: Includes an integrated smart battery management system with self-balancing capabilities for each cell series.
10. Plug and Play: Simply plug in the batteries for immediate operation.

### Application Diagram



### Technical Specifications

MODEL	PLR-S-51100	PLR-S-51200
<b>Electrical Characteristics</b>		
Rate voltage (Vdc)	51.2	
Cell combination	16S1P	16S2P
Rate capacity (AH)	100	200
Energy storage (kWh)	5.12	10.24
Cycle life	6000 cycles @80%DOD,0.5C	
<b>Charge / Discharge Standard</b>		
Charge voltage (V)	56	
Max. charge current (A)	100 (Optional 150/200A for 200AH pack)	
Max. discharge current (A)	100 (Optional 150/200A for 200AH pack)	
Discharge cut-off voltage(VDC)	43.2	
Charge cut-off voltage(VDC)	58.4	
<b>Environment</b>		
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	
<b>Mechanical</b>		
IP class	IP20	
Material system	LiFePO4	
Case material	Meta	
Case type	Rack Mount	
Pack dimension LxWxH(mm)	480×442×133(3U)	680×442×178(4U)
Package dimension LxWxH(mm)	580×530×210	820×625×310
Net weight (kg)	44	88
Gross weight (kg)	49	97
<b>Communication</b>		
Protocol (Optional)	CANBus/RS485/RS232	
<b>Certificates</b>		
Pack	UN38.3, MSDS, IEC62619, CE-EMC, UL1973	
Cell	UN38.3, MSDS, IEC62619, CE, UL1973, UL2054	