

PLW PRO SERIES WALL MOUNTED LITHIUM BATTERY PACK

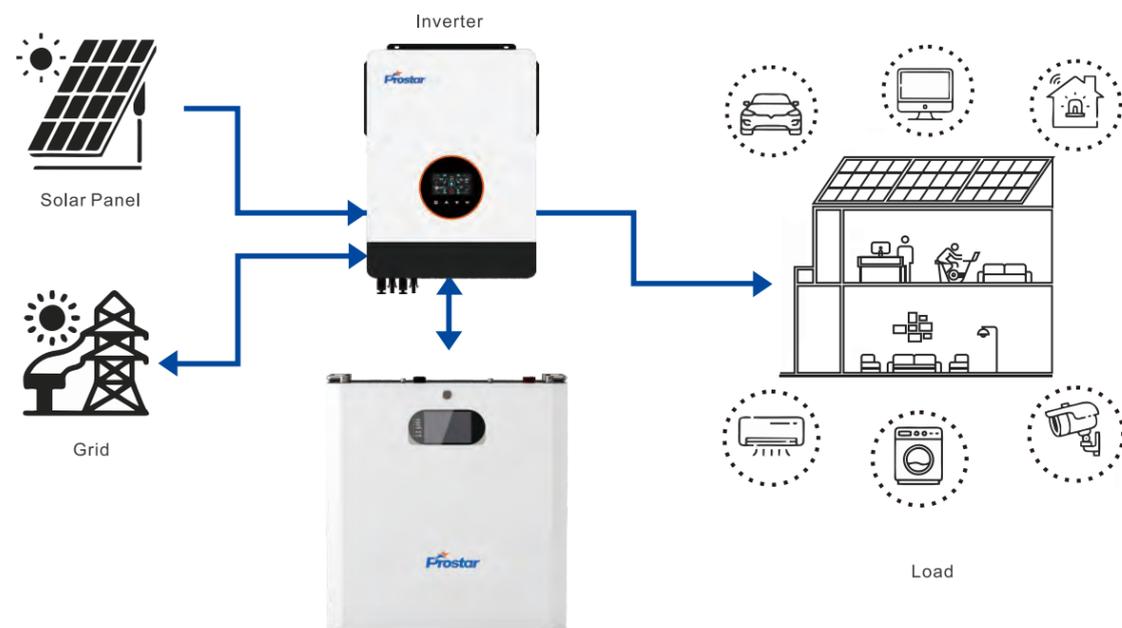
5kWh/10kWh

Performance Characteristics



- 1.LCD Monitor: Allows easy monitoring of energy storage power data and operating status.
- 2.High-Quality LiFePO4 Battery: Ensures safety, deep cycle capability, and extended lifespan.
- 3.Wall Brackets: Includes wall brackets for flexible installation and use in different locations.
- 4.Built-in BMS: Features a built-in Battery Management System, providing protections such as over-voltage, over-load, and over-temperature protection.
- 5.Compatibility: Can be connected to different types of loads within the voltage range.
- 6.Superior Safety: Equipped with multiple protection mechanisms to safeguard against overcharge, over-discharge, and short circuit situations.
- 7.High Efficiency: Provides a higher round-trip energy efficiency on average (92%) compared to lead acid batteries (80%), enabling efficient discharge from 100% to 0% and back to 100% charged.

Application Diagram



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Technical Specifications

Battery Model	PLW-Pro20024	PLW-Pro10048	PLW-Pro20048	PLW-Pro28048
Capacity	25.6V200AH (100A)	51.2V100AH (100A)	51.2V200AH (200A)	51.2V280AH (200A)
Battery Total Energy	5kWh	5kWh	10kWh	15kWh
Rated Energy	5.1kw	5.1kw	8.9kw	14.9kw
Peak Energy	6kw	6kw	10kw	14.9kw
Rated Voltage (DC)	25.6V	51.2V	51.2V	51.2V
Allowable BMS Load Current	100A	100A	200A	200A
Battery Voltage Range(DC)	22.4V~29.2V	44.8V~58.4V	44.8V~58.4V	44.8V~58.4V
Inverter Operating Voltage Range (single-phase)	200V-240V	200V-240V	200V-240V	200V-240V
Communication				
Display	SOC status indication, LED indicator screen			
Protocol	RS485 / CAN (Series parallel connection with either option)			
Specifics				
Dimension (L x W x H)	450*200*490mm	450*200*490mm	450*200*830mm	460*260*750mm
N.W (Accessories Included)	~48.9Kg	~48.9Kg	~90.5Kg	~90.5Kg
Installation	wall-mounted or floor-mounted			
Working Temperature	-20°C~ + 55°C			
Maximum Working Altitude	4000 m (≥2000m derating)			
Installation Environment	Indoor & outdoor scenario,			
Working Relative Humidity	5%~95%			
Heat Dissipation	natural convection			
Protection Grade	IP20			
Cell	LiFePO4			
Expansibility	A max of 16 modules can be used in parallel			
Matching Inverter	Most current mainstream inverters(lithium)			
Package Dimension	500*240*540mm (carton)	500*240*540mm (carton)	900*520*380mm (wooden)	820*530*440mm (wooden)
Satisfied Criteria				
Safety & Certification	CE, UN38.3			