











Battery



Residential ESS

Stackable Type

FEATURES

- · Uses large capacity, high reliability LFP Cells
- · High Voltage support to reduce the power loss
- Support multi-machine parallel connection and CAN/RS232 protocols
- · Support most of the market inverter scheme
- · Simple and reliable installation
- · Stackable type, can expand energy from 10.24kwh to 51.2kwh
- · Customized appearance is available

GENERAL PERFORMANCE

Model No. PLBEP5000

Battery Module Series

Nominal Capacity 100Ah

Energy Capacity (KWh) 5.12Kwh/Battery

Norminal Voltage 51.2V/Battery

Operating Voltage Range 49.8–58.4V/Battery

Battery Type and Chemistry LFP Prismatic

Max. Charge/Discharge Current 50A

Battery Pack Round-Trip Efficiency >95%

Cycle Life >6000, @25°C

IP Protection IP54

MECHANICAL

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Altitude

Demension(L*W*Hcm) 68*40*18cm/Battery, 68*40*18cm (Cotroller)

Weight(kg) 50kg/Battery, 21kg (Controller)

-10°C~50°C

Max. 2000m

OPERATING CONDITIONS

Storage Temperature

COMMUNICATIONS

Operating Charge: 0°C~55°C Communication CAN/RS232

Temperature Discharge: -20°C~60°C Display LED/Display Screen(Optional)

Battery Protection Over-Current, Over-Voltage,

Short Circuit, Under-Voltage,

Over Temperature

INSTALLATION

WARRANTY & MAINTENANCE

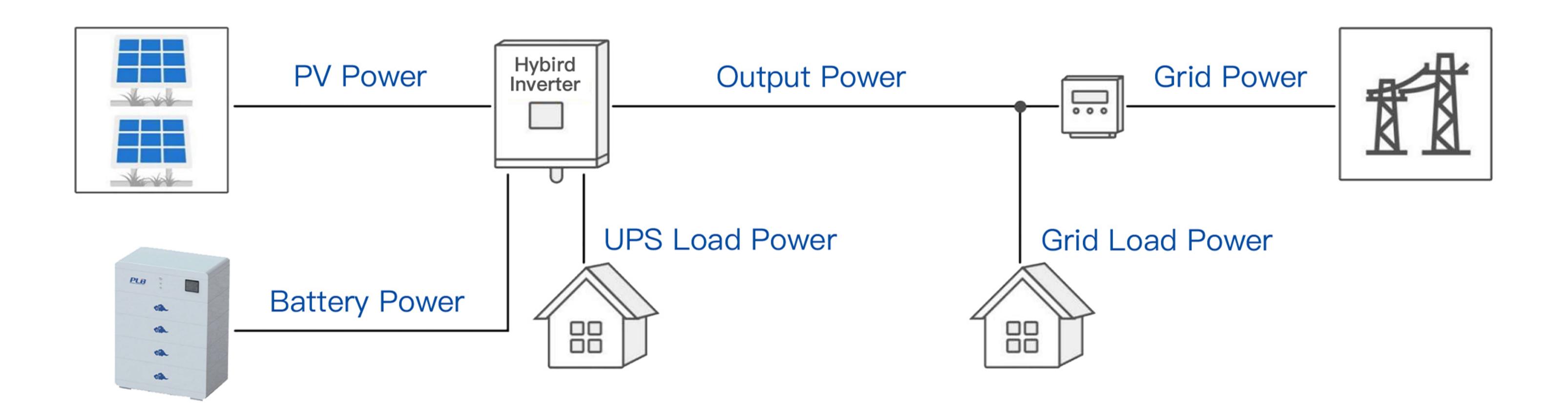
Optimum Location Indoor/Outdoor

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Enclosure

Warranty 5 years Ambient Temperature Requirement 0°C~35°C

Life Span >10 years Relative Humidity Requirement 40%~60%



Floor-Mountable