



Fastest AC &
Solar Charging



Recharge With
Solar Energy



Backup Energy
Storage



Safest LiFePO4
Battery



All-In-One
Construction

Smart Home UPS Series

Floor-Mounted Type

FEATURES

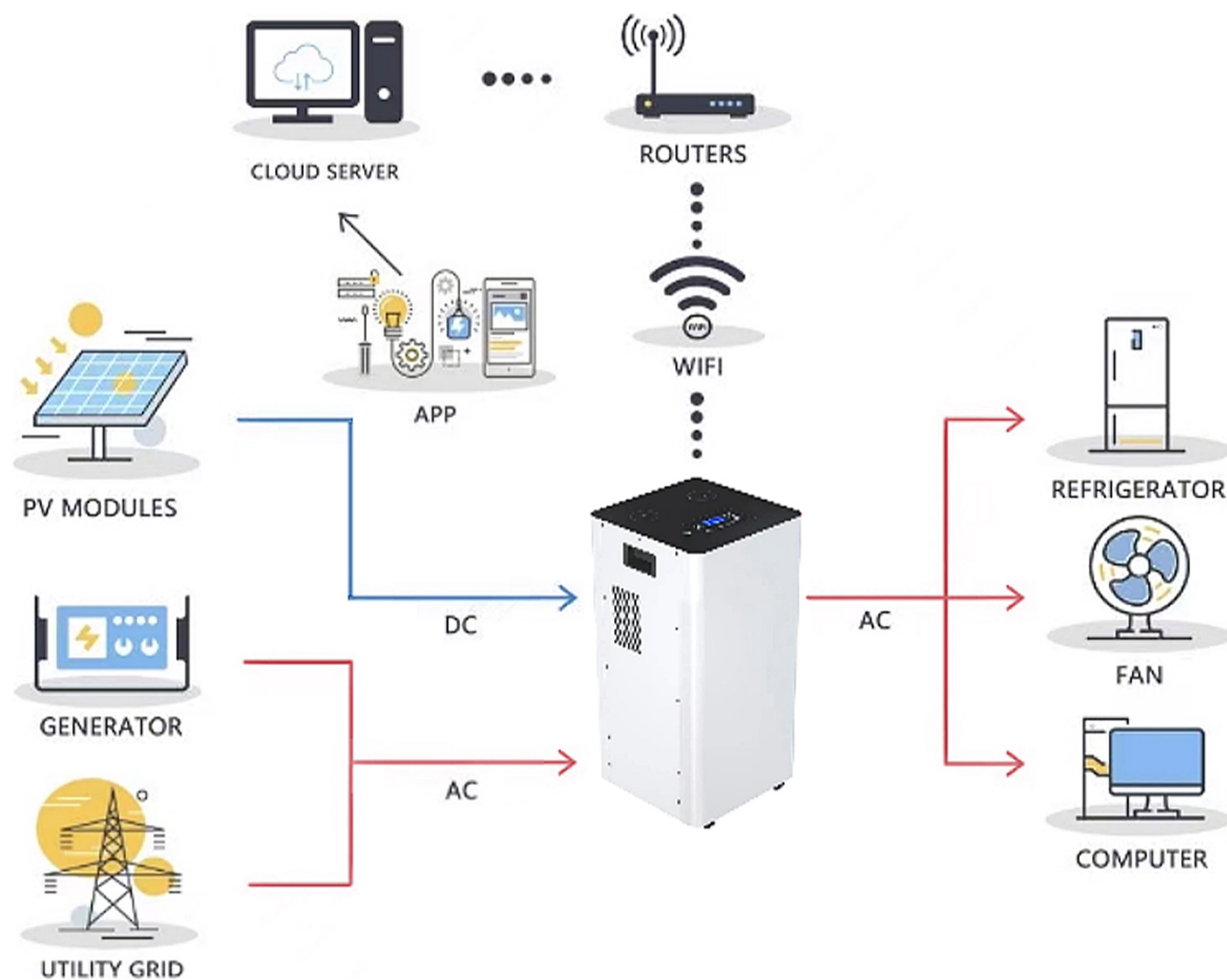
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- Integrated energy storage system with battery, inverter, and system controller
- Built-in MPPT Solar charge controller
- Configurable input voltage range for home/work appliance via LCD setting
- Configurable AC/Solar Charger priority via LCD setting
- Compatible with mains voltage or generator power
- Auto Restart while AC is recovering
- Cold start function & Zero-Transfer Time

GENERAL PERFORMANCE

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|-----------------------------------|--|
| Model No. | PLB-UPS-5K5-L |
| Rated Power | 5000VA/50000W |
| Energy | 4.8KWh |
| Battery Type and Chemistry | LFP Prismatic |
| Nominal Capacity | 100Ah |
| Norminal Voltage | 48V DC |
| Operating Voltage Range | 42~54.8V |
| Max. Continuous Charge Current | 60A |
| Max. Continuous Discharge Current | 100A |
| Cycle Life | >6000, @25°C |
| Battery Protection | Over-Current, Over-Voltage, Short Circuit, Under-Voltage, Over Temperature |
| Charge Temperature | Charge: 0°C~55°C |
| Discharge Temperature | Discharge: -20°C~60°C |



SOLAR CHARGER & AC CHARGER

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|-----------------------------------|-----------|
| Solar Charge Type | MPPT |
| Max PV Array Open Circuit Voltage | 145VDC |
| Max PV Array Power | 4000W |
| MPP Range @ Operating Voltage | 60~115VDC |
| Max Solar Charge Current | 60A |
| Max AC Charge Current | 10A |

MECHANICAL

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|------------|------------------|
| Enclosure | Floor-Mountable |
| Dimensions | H763*W380*D380mm |
| Weight(kg) | ≈77kg |

INPUT

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|-----------------|-----------------------------|
| Voltage | 230VAC |
| Voltage Range | 110~280VAC |
| Frequency Range | 50HZ/60HZ (Auto Sensing) |

OUTPUT

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|-----------------------|---|
| AC Voltage Regulation | 230VAC±5% |
| Output THDv | ≤3% for Linear Load, ≤8% for Non-Linear Load |
| Surge Power | 1000VA for 5sec |
| Efficiency(Peak) | 93% at Line Mode, 90% at Battery Mode |
| Transfer Time | 0ms |
| Waveform | Pure Sine Wave |

OUTPUT PORTS

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|-----------------------|-------|
| PV Input | 1 |
| AC Input | 1 |
| AC Output | 3 |
| Wireless Charging Pad | 15W*2 |
| USB | 2 |

ENVIROMENT

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|---------------------|------------|
| Relative Humidity | 5%~95% |
| Storage Temperature | -10°C~50°C |

Warranty

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|-----------|----------|
| Warranty | 5 Years |
| Life Span | 10 Years |