

LESSO

Residential Split Phase Hybrid
Smart Energy Solutions



Intelligent Storage for Smart Living

Ver. 2026.05

INTELLIGENT STORAGE FOR SMART LIVING



SAFETY

The battery system complies with multiple key international standards – UN38.3, MSDS, etc.



EFFICIENCY

MPPT efficiency **>99%**, PV efficiency **>96%**, system efficiency up to **95%**.



DURABILITY

Module warranty **30** years, system design life **>15** years.



RELIABILITY

Grid/solar/battery switching time **<10** ms for an uninterrupted experience.



FLEXIBLE

Requires only **4.5** m²/kW for module installation, fitting different installation scenarios easily.



6.5/10kW Split Phase Hybrid Solar Energy Solution



For high-demand homes: multi-zone AC, large appliances.

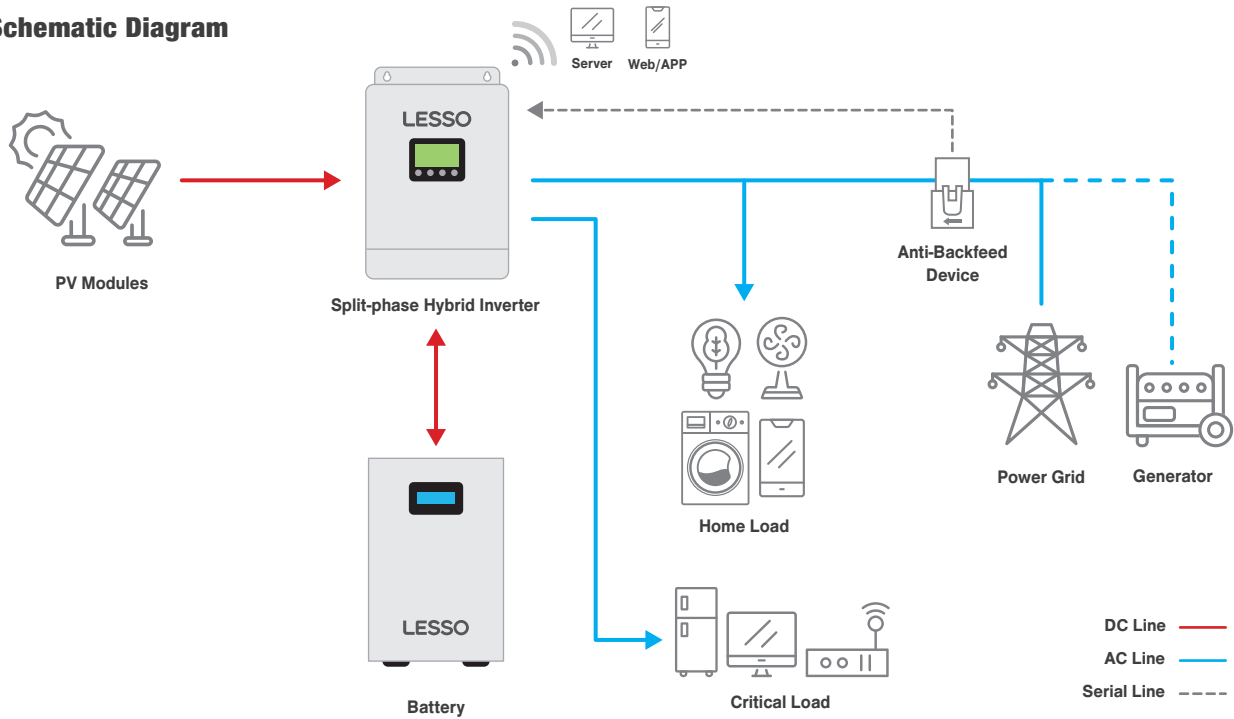


Output: 46kWh/day, supports extensive backup needs.



High-capacity hybrid operation & scalable storage for energy independence.

Schematic Diagram



System Configuration

| | 6.5kW+10.47kWh | 10kW+20.98kWh |
|--------------------------------------|-----------------------------------|-----------------------------|
| AC Output Type | Split phase 120/240Vac L1-L2-N | |
| PV Capacity | 730Wp x 14pcs | |
| Daily Average Energy Production (5h) | 46kWh | |
| PV Installation Footprint | > 44m ² | |
| Energy Storage Capacity | 51.2V / 205Ah / 10.49kWh | 51.2V / 205Ah / 10.49kWh ×2 |
| Inverter | 6.5kW | 10kW |

* The battery pack can be expanded to 4 groups (the battery distribution box needs to be replaced).

* The daily average available energy production is calculated based on 90% of the total power of PV modules.

* Remark: Specifications are subject to change without notice.

Product Specifications

730C(HBD)66(210)

210 N-TOPCon dual-glass bifacial PV module

Solar cell type: 210 N-TOPCon Mono Cell (Half cell)

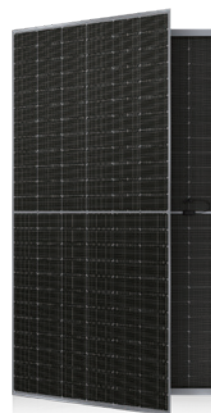
Solar cell arrangement: 132pcs(6x22)

Max power: 730W

Max efficiency: 23.5%

Dimension: 2384x1303x33mm

Weight: 37.8kg



LEC-652E5B1F/LEC-103E5B1F

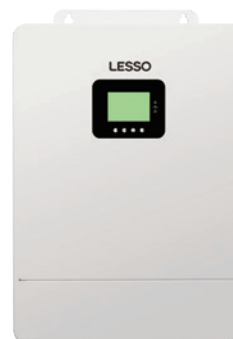
Hybrid inverter

Rated power: 6.5kW/10kW

DC input voltage: 48Vdc

Output voltage: 120Vac/240Vac@L₁-L₂-N

Output type: Split phase



LSRW51V205AH-LFP

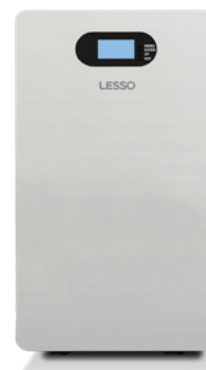
Low voltage battery

Nominal voltage: 51.2Vdc

Nominal capacity: 205Ah

Nominal energy: 10.49kWh

Battery type: LiFePO₄ battery



Guangdong Lesso Energy Storage Technology Co., Ltd

Daba Industrial Area, Longjiang Town, Foshan City, Guangdong Province, China

LESSO Group (2128) is listed in the Stock Exchange of Hong Kong.



www.lessosolar.com



info@lessosolar.com



LESSO Solar