



Specifically designed for areas with power shortages, frequent power outages, or high electricity costs

PCS+PV inverter+ESS+EMS

INTEGRATED ESS ELF SERIES

Long-term residential energy storage system

Battery Capacity

8kWh / 16kWh



Global Servicing | Customize Your Own Brand Power Supply



ALL IN ONE design: Highly integrated energy storage inverter, photovoltaic inverter, energy storage battery and energy management system in one unit.



Industrial-grade High Capacity and Long-life LiFePO4 Battery Cells: Battery cells with a cycle life exceeding **11,000 cycles**.



Long-term Cost-effective Design: Capable of providing household electricity for more than **5 days** when fully charged (**).



Supports High-power Photovoltaic Generation: Fully satisfies the requirements for **zero-carbon green electricity** supply for household self-consumption(**), eliminating the need for high electricity costs.



Versatile Applications: Suitable for PV only, Grid only, PV + Grid, UPS, and PV + Generator configurations.



Simplified Installation: No complex wiring required. Easy Maintenance, User-friendly Operation.

| Model | | WIE1600 | WIE800 |
|-----------|------------------------------|-------------------------------------|------------------------------------|
| Battery | Battery Type | LiFePO4 | |
| | Capacity | 16076Wh | 8038Wh |
| | Output Topology | L+N+PE | |
| AC Output | Output Rating | 6500VA | 3600VA |
| | Rated Output Voltage | 208-240V(Adjustable) | |
| | Waveform | Sine Wave | |
| | Frequency | 50/60Hz | |
| | Overload Capacity | 30s@130%~150%Load;10s@150%~200%Load | 10s@130%~150%Load;3s@110%~130%Load |
| AC Input | Input Topology | L+N+PE | |
| | Input Voltage | 176~264VAC | |
| | Input Frequency | 40~70Hz | |
| | Max Input Current | MAX 40A(RMS) | MAX 20A(RMS) |
| PV Input | PV Max Input Power | 9000W | 5000W |
| | PV Max Input Current | 28A | 18A |
| | PV Max Open Circuit Voltage | 500VDC | |
| | MPPT Voltage Tracking Range | 60~450VDC | 40~450VDC |
| | MPPT Tracking Max Efficiency | 99.5% | |
| Others | Charging Temperature | 0°C~55°C | |
| | Discharge Temperature | -20°C~55°C | |
| | Use Ambient Humidity | Max90%RH | |
| | Storage Ambient Temperature | -20°C~50°C (15~25°C Best) | |
| | Battery Cycle Life | > 11000 time (70% SOC) | |
| | Net Weight | about 130kg | about 80kg |
| | Size:L*W*H | 670*240*935 mm | 480*240*835 mm |
| | Grade of Protection | IP21 | |

(*) The duration of operation may vary based on the home's power consumption.
 (**) Performance is dependent on the photovoltaic input power.

Shenzhen Wirentech Co., Ltd
 Tel: +86 755-28380586
 Email: office@wirentech.com
 Web: www.wirentech.com
 Add: 201, Bld 1, Luwu Branch, No. 6407 Pingshan Avenue, Jinsha Community, Kengzi Street, Pingshan District, Shenzhen City