



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		WIE800	WIE1600
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
Others	MPPT Tracking Max Efficiency	99.5%	
	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.

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