

TO A BETTER FUTURE

220V 54kW System

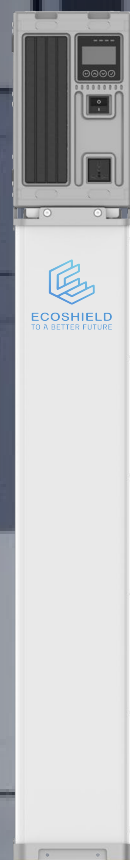
Standard Solution

220V/6kW 15kWh

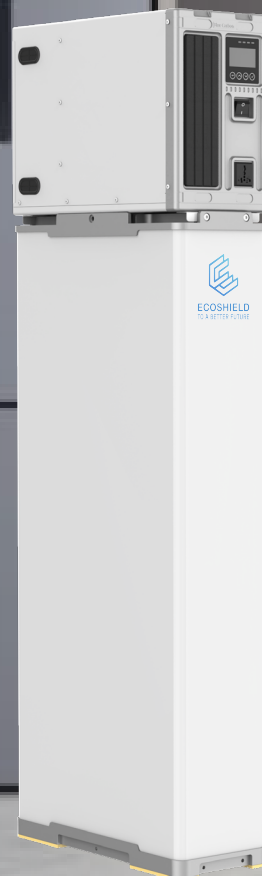
Single system solution



In regions without electricity, solar panels can charge during the day, and stored energy can be used at night for lighting or other power needs. In areas with high electricity prices, the system can be used for peak and valley energy storage: charge during off-peak times when electricity is cheaper, and use the stored energy during peak times when electricity is more expensive. It can meet the needs of small office routers running all day, computers working for several hours, small fans running, home air conditioners cooling and heating, and lighting fixtures turned on all day.



Front view



Side view



Back view

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220V 54kW System

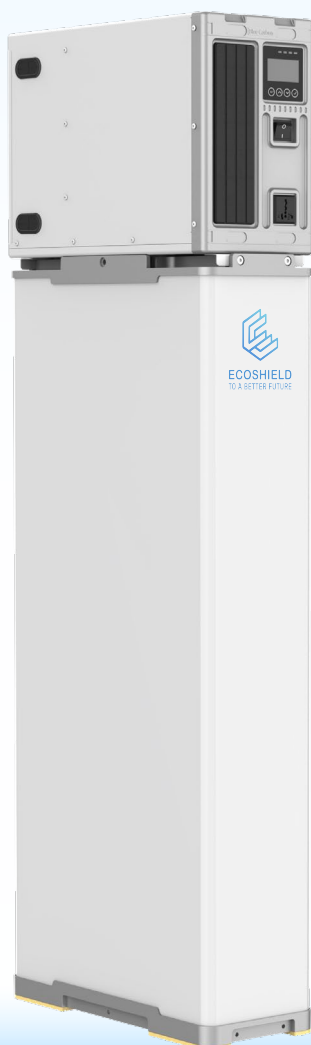
Standard Solution

220V/6kW 15kWh

Single system solution



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Battery Parameter

| | |
|------------------|-------|
| Nominal capacity | 300Ah |
| Nominal voltage | 48V |
| Electricity(kWh) | 15kWh |

Inverter AC Output

| | |
|-----------------------------------|--|
| Max power (kw) | 6kW |
| Voltage (VAC) | 208/220/230/240 |
| Power factor (PF) | 1 |
| Frequency | 50/60Hz±0.1% |
| Switch time (ms) | 10(normal mode)/ 10(UPS mode) |
| Wave form | Pure sine wave |
| Overload capacity (batter mode) | 60s@102%~110% load;10s@110%~130% load; 3s@130%~150% load; 0.2s@>150% load |
| Max. Efficiency (batter mode)Max. | 93%@48VDC |
| Parallel Quantity | 9 groups(54kWh) |

Photovoltaic/AC input

| | |
|---------------------------------------|---|
| Rated input voltage (VAC) | 208/220/230/240;L+N+PE |
| Phase voltage range (VAC) | 90~280±3(normal mode);170~280±3(UPS mode) |
| Frequency (Hz) | 50/60(auto adaptive) |
| Solar charger type | MPPT |
| Max PV input current / input power | 18A/6000W |
| MPPT range@operating voltage (VDC)Max | 120~450 |
| PV open circuit voltage (VDC) | 500 |
| Max PV charge current (A) | 80 |
| Max AC charge current (A) | 80 |
| Max. charge current (PV + AC)(A) | 80 |

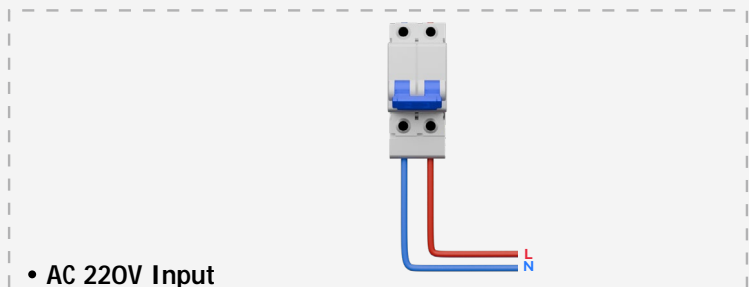
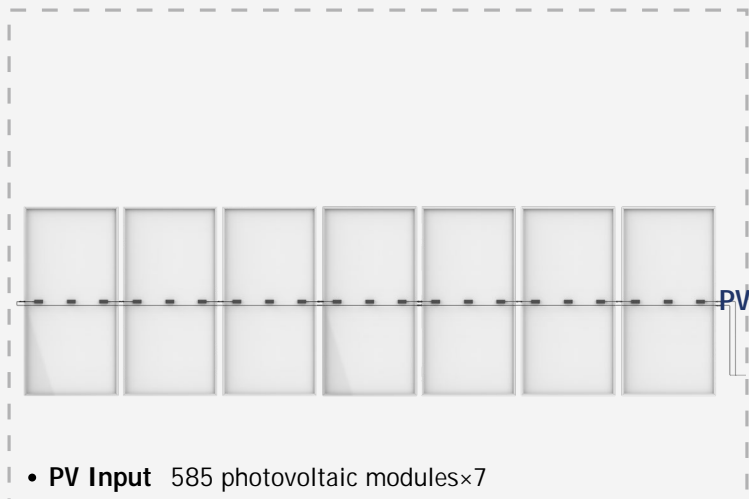
220V/6kW 15kWh

System Connection Display

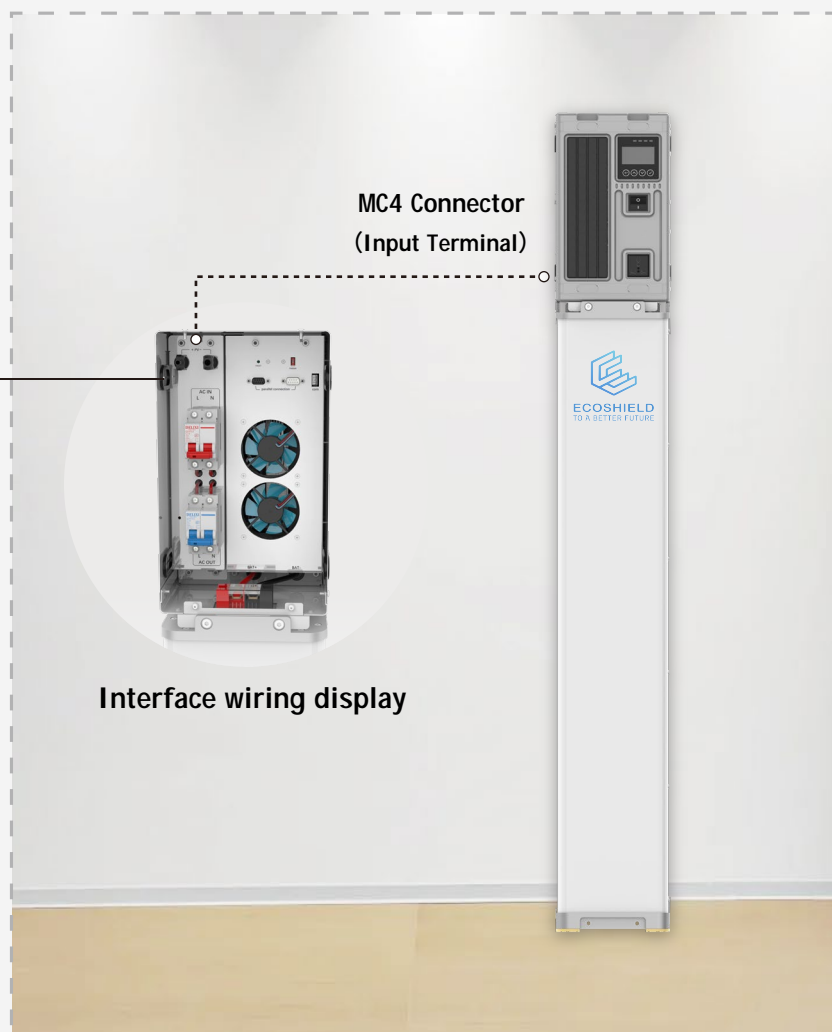


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Input system



Charging, storage and inversion integration



Load side

AC 220V Output



≤ 6kW load