

EverExceed[®]
power your applications



EverGEN Series ENERGY STORAGE SOLUTION

For Apartment, Bank, Small office etc.

Residential Energy Storage Solution

EverGEN Series

For apartment, home, office, bank, hospital etc. applications

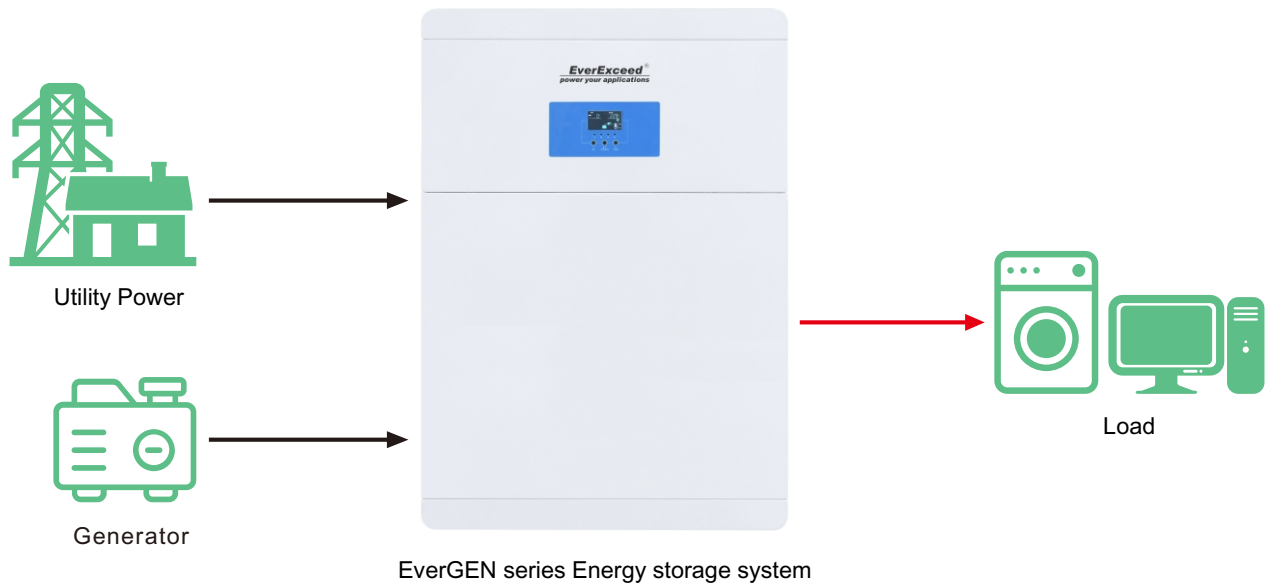
Are you looking for a backup power solution for your apartment, home, small office, clinic, restaurant etc. applications, where the grid connection is not stable and reliable?

Are you looking for a replacement for your portable generator to eradicate the fuel cost, noise pollution and environment pollution with smoke and bad smell?

If you cannot install solar panels due to lack of proper space or permission, EverExceed has the best Backup energy storage solution to solve all of your problems.

Application

- Home, apartment or villa;
- Shops and groceries for small business;
- Small office or enterprise;
- Bank, ATM or financial institute;
- Clinic, health care or medical centers;
- School or baby care center.



Advantage of the solution:



Faster charging

This solution is consist of High quality EverExceed LDP Series Lithium battery which can be charged fully 4-5 times faster than the traditional lead acid batteries (within 3 hours), so whenever the grid comes back it gets ready to support you for the next blackout immediately.



Long backup with minimum switching time

This solution can provide you with long backup time, can be discharged up to 100% capacity without damaging the battery. The less than 15ms switching time ensures uninterruptible operation of your computer, TV or any other appliance.



High quality transformer inverter

This solution is consist of high quality transformer inverter, ensuring the complete reliability even in worst grid performance. Best solution for places with regular hurricane, storm affected weather, and poor grid connection where cheap inverter will fail easily.



Green energy

This solution has absolutely no effect on the environment, completely green energy. No loud noises, no smoke or fume, no fuel smell, no toxic gas release, no acid splash. The outlook is beautiful and clean. The system is small and mobile, can be customized as per the requirement of customer.

EverExceed EP series lithium battery:

- 15+years long life design@25°C ;
- Optimized for photovoltaic applications, ≥6000 cycles@80% DOD @ 25°C;
- Fast charging technology, can be fully charged within 3 hours, 4-5 times faster than lead acid battery;
- 98% round trip efficiency, 20% high than lead acid battery, save your energy cost a lot;
- The EverExceed lithium batteries, due to their excellent properties, are the optimal energy storage solution where limited space and weight are important factors;
- As EverExceed LiFePO4 batteries adopt the most advanced lithium iron technology, here is no risk of explosion and fire. It is designed for residential and commercial applications with absolute safety;
- The battery system adopts a special BMS, high performance battery management module which is featured with voltage, current and temperature protection and a preferable communication between the battery system and the host;
- Approved with CE, UN38.3, IEC62619 test report.



High quality Solar Lithium battery
EverExceed EP Series battery

High Quality transformer inverter:

- High quality copper wire transformer;
- Confirms reliability with supreme switching time of less than 15ms, absolutely no interruption in your computer, tv, refrigerator etc. application;
- Provides precise service during the most disturbing grid performance;
- Not available in cheap energy storage system inverter.



High Quality transformer of the inverter

Technical specification:

| Model | EG3K-5E Pro | EG5K-10E Pro | EG6K-10E Pro | EG8K-15E Pro | EG10K-20E Pro |
|-------------------------------|--|--------------|--------------|--------------|---------------|
| System Specification | | | | | |
| Rated AC Output Power | 3000W | 5000W | 6000W | 8000W | 10000W |
| Surge AC Output Power | 6000W | 10000W | 12000W | 16000W | 20000W |
| Output Overload Protection | Load > 120%(60 seconds), Load > 150%(1 seconds) | | | | |
| Energy Capacity Range | 5.12kWh | 10.24kWh | 10.24kWh | 15.36kWh | 20.48kWh |
| Battery Type | LiFePO4 Battery | | | | |
| Operating Temperature | Charge: 0°C to 50°C Discharge: -20°C to 60°C | | | | |
| Storage Temperature | -30°C to 70°C | | | | |
| Humidity | 0~95%(no condensation) | | | | |
| Altitude | 0~2000m | | | | |
| Noise | < 50dB | | | | |
| IP Protection | IP21 | | | | |
| Dimensions | W | 650mm | 650mm | 650mm | 650mm |
| | D | 400mm | 400mm | 400mm | 500mm |
| | H | 950mm | 950mm | 950mm | 1500mm |
| Certification and Standards | Certificates: CE, RoHS, UN38.3 Standards: IEC62619, EN 61000-6-1, EN61000-6-3, EN61000-3-2, EN61000-3-3 | | | | |
| Inverter Specification | | | | | |
| Rated AC Output Power | 3000W | 5000W | 6000W | 8000W | 10000W |
| DC Input Voltage | 24VDC | 48VDC | 48VDC | 48VDC | 48VDC |
| AC Input Voltage | 155Vac~275Vac | | | | |
| AC Output Voltage | 220/230/240Vac | | | | |
| Rated Frequency | 50/60Hz | | | | |
| Max. Charging Current | 50A | 45A | 50A | 70A | 85A |
| Power Factor | 1.0 | | | | |
| Output Wave Form | Pure Sine Wave | | | | |
| Transfer Time | < 15ms | | | | |
| Battery Specification | | | | | |
| Model | EP-48100 | EP-48100 | EP-48100 | EP-48100 | EP-48100 |
| Quantity | 1 | 2 | 2 | 3 | 4 |
| Capacity | 100Ah | 100Ah | 100Ah | 100Ah | 100Ah |
| Voltage | 51.2V | 51.2V | 51.2V | 51.2V | 51.2V |
| Cycle Life | > 6000 cycles@80% DOD | | | | |





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