

EverExceed[®]
power your applications

EverGEN Hybrid

Energy Storage System



EverGEN Hybrid series systems are designed to be stackable and expandable, allowing homeowners to quickly increase their energy storage capacity as their needs change over time. The EverGEN Hybrid series will explore the benefits of home energy storage systems with stackable and expandable designs and how they can help homeowners achieve greater energy independence and sustainability.

Functions & Features



Safer

- ✓ Fully utilize solar power supply, saving up to 100% of electricity bills;
- ✓ High quality LiFePO4 batteries, 6000 cycle time at 80% DOD;
- ✓ 24/7 uninterrupted power supply;



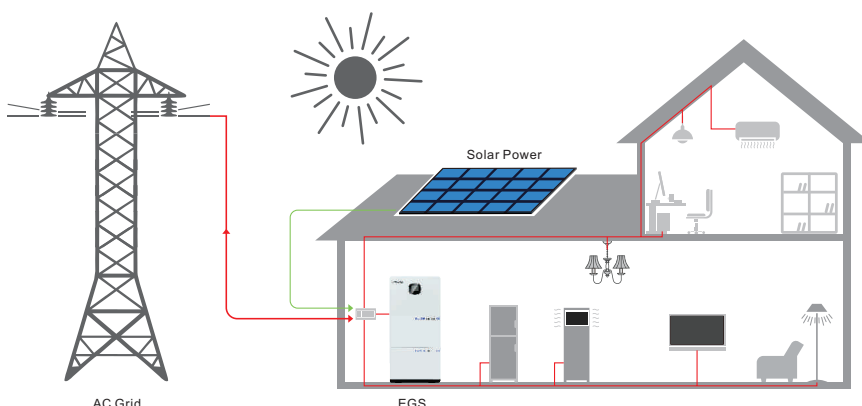
Smarter

- ✓ Intelligent remote monitoring, checking system information through Mobile & PC;
- ✓ Intelligent and visualized energy management;



Simpler

- ✓ Modular and stackable design, easy to install, saving 50% of installation time;
- ✓ Support expansion to 4 battery modules, up to 40.96kWh.



Technical Specification

Model	EGH10K-10E	EGH10K-15E	EGH10K-20E	
System Specification				
Rated AC Output Power	10000W			
Energy Capacity Range	10.24kWh	15.36kWh	20.48kWh	
Battery Type	Lithium Ion Battery (LFP, Lithium Iron Phosphate Technology)			
Max. AC Charging Current	120A			
Max. PV Charging Current	200A			
Max. Total Charging Current	200A			
Operating Temperature	-20°C to 50 °C			
Storage Temperature	-30°C to 70 °C			
Remote Monitoring	WiFi& APP			
Relative Humidity	0~95%(Nocondensation)			
Operating Altitude	2000m			
Protection Degree	IP21			
System Dimension	Width	600mm	600mm	600mm
	Depth	260mm	260mm	260mm
	Height	1310mm	1690mm	2070mm
	Weight	90kg	140kg	190kg
Cooling Method	Fans			
PV String Input Specification				
Max. PV Input Power	11000W			
Max. PV Input Voltage	500VDC			
Recommend PV Input Voltage	360VDC			
MPPT Voltage Range	120 to 425VDC			
Max. PV Charging Current	200A			
Number of MPPT	2			
Inverter Specification				
Rated AC Output Power	10000W			
AC Input Voltage	90VAC to 280VAC			
AC Output Voltage	230VAC			
Rated Frequency	50/60Hz			
Max. AC Charging Current	120A			
Power Factor	1.0			
Norminal Output Wave Form	Pure Sine Wave			
Transfer Time	10ms			
Output THDi	<3%			
Max. PV to Load Efficiency	99%			
Max. Battery to Load Efficiency	92%			
Battery Specification				
Normal Capacity	200Ah	300Ah	400Ah	
Battery Voltage	51.2VDC			
Battery Quantity	2	3	4	
Energy Capacity	10.24kWh	15.36kWh	20.48kWh	
Cycle Life	≥6000 Cycles @80% DOD			
Protection				
Short Circuit Protection	Yes			
Overload Protection	Yes			
Over Temperature Protection	Yes			
Battery Voltage High/Low Protection	Yes			
AC Input Voltage High/Low Protection	Yes			



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