

# EverGEN-LV Pro Series Residential Super Home UPS (IPS)

Wall mounted  
Indoor design  
Quiet and saving space.



The EverGEN Pro ESS is a sleek, ultra-safe and reliable backup home energy storage system integrated with pure sine wave inverters, long-life LiFePO4 batteries, and power distribution. With up to 5.12kWh of usable energy and fast switching technology, EverGEN Pro helps keep your home powered and protected during an emergency or grid outages. It is the best choice as an emergency backup power source for your home!

## Your key benefits

3000+

### Safer & Long lasting

- Adopting EverFast™ Fast charging technology can fully charge the battery within 3 hours, **3-5times** faster than traditional IPS, greatly save 70% charging time;
- Adopting EverExceed outstanding LiFePO4 battery with 10+years design life and **3000+ cycle** life, **5-10 times** higher than traditional lead-acid batteries.

10ms

### Smarter & Reliable

- Leading switching technology, switching time less than **10 millisecond** to ensure home loads does not power off;
- Plus keep your home powered and protected during an emergency or grid outages.
- When the AC grid is available, the AC grid power will charge and load the battery. When the AC grid power is unavailable, the inverter will immediately switch to battery output to continuously supply power to the load.

↓80%

### Simpler & Saving cost

- Super Plug & Play, easy and fast installation, saving up to **80%** installation time and cost;
- The system is designed as an integrated battery and inverter, with a slim and beautiful appearance that can be wall mounted, saving a lot of installation space and time;
- Sleek design with friendly display screen, quiet (< **35dB**), practical and aesthetically pleasing.



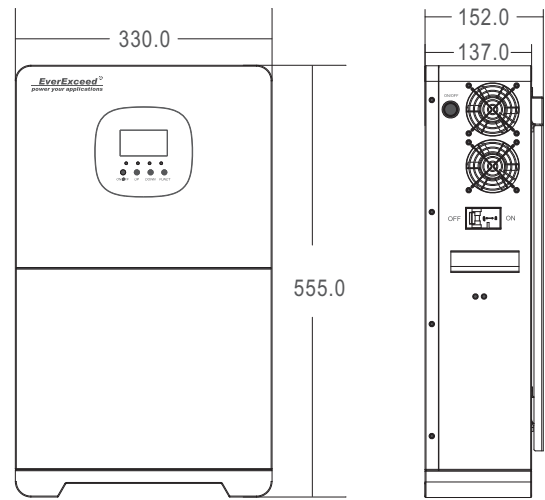
## Working Principle:



## Technical Specification

Model	EG600-1.2E-LV Pro	EG1K-2.5E-LV Pro	EG2K-5.1E-LV Pro	
<b>System Specification</b>				
Rated AC Output Power	600W	1200W	2400W	
Surge AC Output Power	1200W	2400W	4800W	
Output Overload Protection	Load>150%(10ms)			
Energy Capacity	1.28kWh	2.56kWh	5.12kWh	
Battery Type	LiFePO4 Battery			
Operating Temperature	Charge: 0°C to 50°C, Discharge: -20°C to 50°C			
Storage Temperature	-30°C to 70°C			
Humidity	0~95%(no condensation)			
Altitude	0~2000m			
Noise	<35dB			
IP Protection	IP20			
Dimensions	H	555mm	555mm	800mm
	W	330mm	330mm	500mm
	D	152mm	152mm	152mm
Weight	16.5kg	26.7kg	37.5kg	

### Structure diagram



Unit:mm

<b>Inverter Specification</b>			
Rated AC Output Power	600W	1200W	2400W
DC Input Voltage	24VDC	24VDC	48VDC
AC Input Voltage	85VAC~165VAC		
AC Output Voltage	110/120/127VAC		
Rated Frequency	50/60Hz		
Max. Charging Current	20A	30A	40A
Power Factor	1.0		
Output Wave Form	Pure Sine Wave		
Transfer Time	<10ms		

<b>Battery Specification</b>			
Battery Type	LiFePO4 Battery		
Battery Voltage	25.6V	25.6V	51.2V
Capacity	50Ah	100Ah	100Ah
Energy	1.28kWh	2.56kWh	5.12kWh
Cycle Life	>3000 cycles@100% DOD		



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