

# 20kWh PV GENERATION SYSTEM

## PV5K-EGS5K-20E

Help you reduce your energy costs up to 100%!  
Help you defend against rising energy prices!

The system is mainly composed of solar panel, all in one solar energy storage system and accessories. In the daytime, when there is sunlight, the solar panel can convert the solar energy into electric energy and store it in the battery and supply power to the load at the same time. The battery supply power for the load at night or in rainy days or cloudy conditions, provide long time power backup.

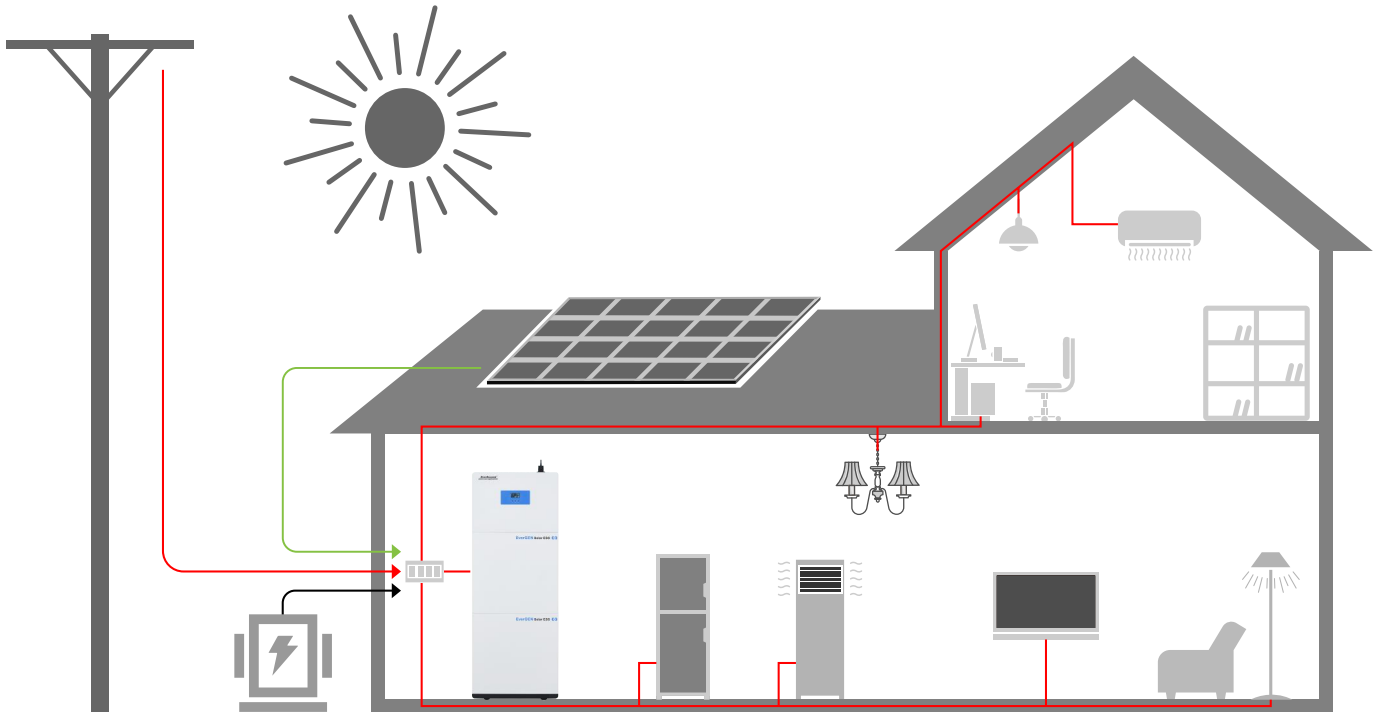


### Features:

- 5KW Sine wave voltage power output;
- Fully utilize solar power supply, saving up to 100% of electricity bills;
- Modular design, saving 50% of installation time;
- Built-in high quality LiFePO4 batteries, 6000 cycle time at 80% DOD;
- Intelligent WI-FI module remote monitoring by App&Laptop;
- Intelligent fan control, over temperature protection can be automatically restored;
- Comprehensive protection function;
- 24/7 uninterrupted power supply.



Single line diagram:



Technical specification:

Item	Model	Specifications	QTY	Unit
<b>Main part</b>				
Solar Panel	EMS-540MH	Half-cut Mono cell 540W 41.62Vmp 12.98A	9	pcs
All-in-one Energy Storage System	EGS5K-20E Pro	5KW AC power output , 20KWH battery ESS	1	pcs
Mounting Bracket	ER-9-ESM540MH-1R9C	Q235 hot-dip galvanized steel bracket	1	set
<b>Accessories</b>				
Solar Cable	PV Cable 4mm <sup>2</sup>	PV cable		
Connector	MC4	MC4 connector		
AC cable	RV 4mm <sup>2</sup>	AC cable	1	kit
Terminal lug	VE4012	Terminal lug		
MCB	NXBLE-63	Miniature circuit breaker		



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