

OFF-GRID PV & ENERGY STORAGE ALL-IN-ONE SYSTEM

RePower residential on-grid and off-grid PV storage system is a new generation of photovoltaic energy storage system based on intelligent management, safety, efficiency, and maintenance-free concept. The system integrates with photovoltaic inverters, energy storage batteries, energy management, battery management, and smart home. It is modular design, highly integrated, and can automatically determine the modes of grid connection (on/ off grid) and connect to the grid intelligently, which can help to realize the peak load shifting, self-generating and self-use.



FEATURES



Use safe LFP battery as the main part, with the characteristics of small size, high capacity, light weight, high power, and so on.



With functions of over charge and discharge, supply monitoring and low power alarm.



It can match the hybrid inverter of the mainstream manufacturers in the market, convenient to use.



To check the running status at a glance with LED real-time display of the equipment parameter.

PARAMETER

PV DC input side	Max. Power	5000W	Max. Current	80A
	Max. Voltage	115V	MPPT Voltage Range	60-115V
	No. of MPPTs/No. of sets that can be connected to each group of MPPTs			1/2
Grid output parameters (AC)	Rated AC Power	5000W	Max. AC Current	24.5A
	Max. Continuous Current	26A	Rated Grid Voltage Grid voltage range	110V/220V/230V AC 90-264V AC
	AC Type	single phase (L+N+PE)	Rated Grid Frequency	50Hz (45-54Hz) /60Hz (55-65Hz)
Emergency Power Output	Rated Power	5000W	Rated Voltage	208/220/230/240V AC
	Rated Frequency	50/60Hz	Response Time	10-20ms
Energy storage battery parameters	Battery Type	Lithium Iron Phosphate	Capacity	100Ah
	Rated Voltage	51.2V	Voltage Range	40-58.4V
	Max. Charge and Discharge Power	5000W	Max. Charge & Discharge Current	100A
Other Parameters of the System	Capacity	RESS-5000A: 5KWh RESS-10000A: 10KWh	N.W.	RESS-5000A: 102Kg RESS-10000A: 162Kg
	Size	700*1245*288mm (L*H*W)	Cooling Methods	Air Cooled
	Max. Efficiency	97.2%/97.7%	SOC Battery Status	10 sets Soc; 2 sets Err
	Operating Noise	< 25dB	Relative Humidity	10~90%, non-condensing
	Communication	RS485(Standard Configuration), CAN-BUS(Internal Communication), WiFi(Optional)		

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