

Forerunner Series Hybrid Solar Inverter

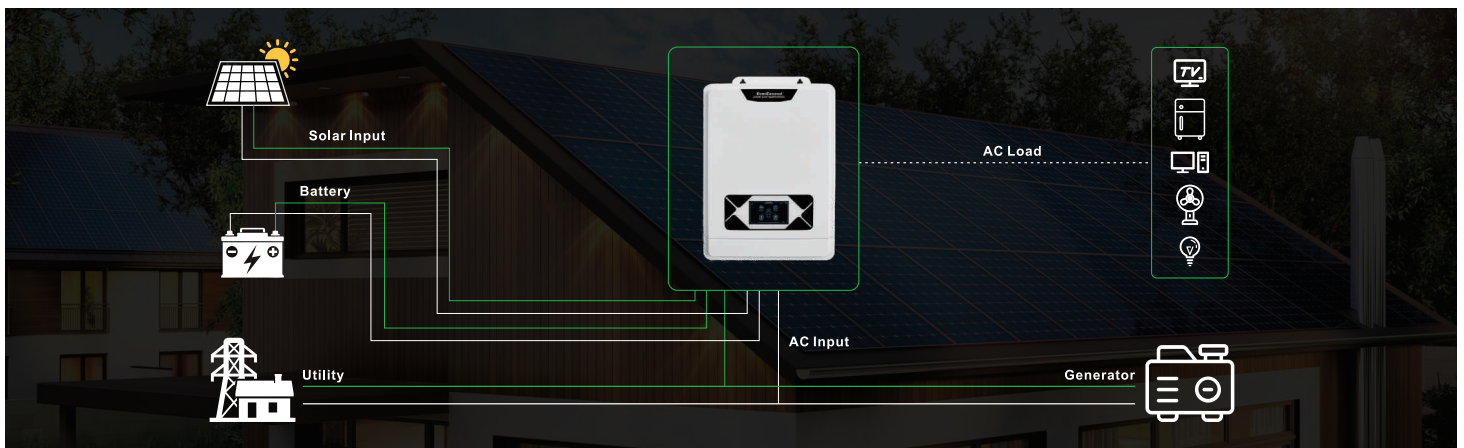
Empower the solar energy system now!



The forerunner series inverter is a high-end solar hybrid inverter designed for households and small commercial solar power plants. It utilizes solar power, batteries, and utility grid for hybrid power supply to ensure uninterrupted power supply of your home. It can help you use solar power as much as possible, cut your energy costs permanently, for optimal consumption, which helps you with less dependence on energy providers and no more worries about rising electricity prices.

Features:

- 4.3 inch touch LCD display screen;
- Pure sine wave output;
- Uninterrupted power supply;
- Max support 80A for fast charging;
- Up to 9 units in parallel for fast expansion;
- With lithium battery activation function, perfectly match for a variety of batteries: Lithium, AGM, GEL batteries, etc;
- Intelligent BMS communication function;
- Perfect protection function, with short circuit / over voltage / over temperature / overload / reverse current / battery reverse connection protection;
- Support APP remote monitoring with WIFI module;
- Support single-phase/ three-phase connection.



Specification:

Model		FR-3K	FR-5K
AC Input	Input Voltage	208/220/230/240VAC	
	Voltage Range	154-264VAC (Normal Mode) /185-264VAC (UPS Mode)	
	Frequency	50/60Hz	
AC Output	Rated Power	3000W	5000W
	Output Voltage	208/220/230/240VAC	
	Frequency	50/60Hz	
	Waveform	Pure Sine Wave	
	Transfer Time	<20ms (Normal Mode)/<10ms(UPS Mode)	
	Peak Power	6000VA	10000VA
	Overload Capacity (Inverter Mode)	102-110% load, 60s 110-130% load, 10s 130-150% load, 3s > 150% load, 20ms	
	Conversion Efficiency	≥94%	
Battery	Rated Voltage	24VDC	48VDC
	Constant Charge Voltage (Adjustable)	28.2VDC	56.4VDC
	Float Charge Voltage (Adjustable)	27.0VDC	54.0VDC
Charge	PV Charge Controller	MPPT	
	Max. PV Power	1500W	5500W
	Max. PV Input Voltage	145VDC	450VDC
	MPPT Voltage Range	30-115VDC	120-430VDC
	Max. PV Charge Current	60A	80A
	Max. AC Charge Current	60A	80A
	Max. Total Charge Current	80A	
Remote Monitoring	WIFI Module	Remote Monitoring By Mobile APP(Optional)	
Parallel	Parallel Card	No	Support 9pcs Inverters in Parallel
BMS Communication	BMS Communication	YES	
General	Operating Temperature	-10°C-40°C	
	Storage Temperature	-20°C-60°C	
	Max. Altitude	Max. 4000m (>1000m Inverter Reduces Power Output)	
	Humidity	5%-95%, No Condensation	
	Noise	< 40dB	
	Dimension(LxWxD)	448*320*120mm	
	Weight	9.7kg	