



# Forerunner Series Hybrid Inverter

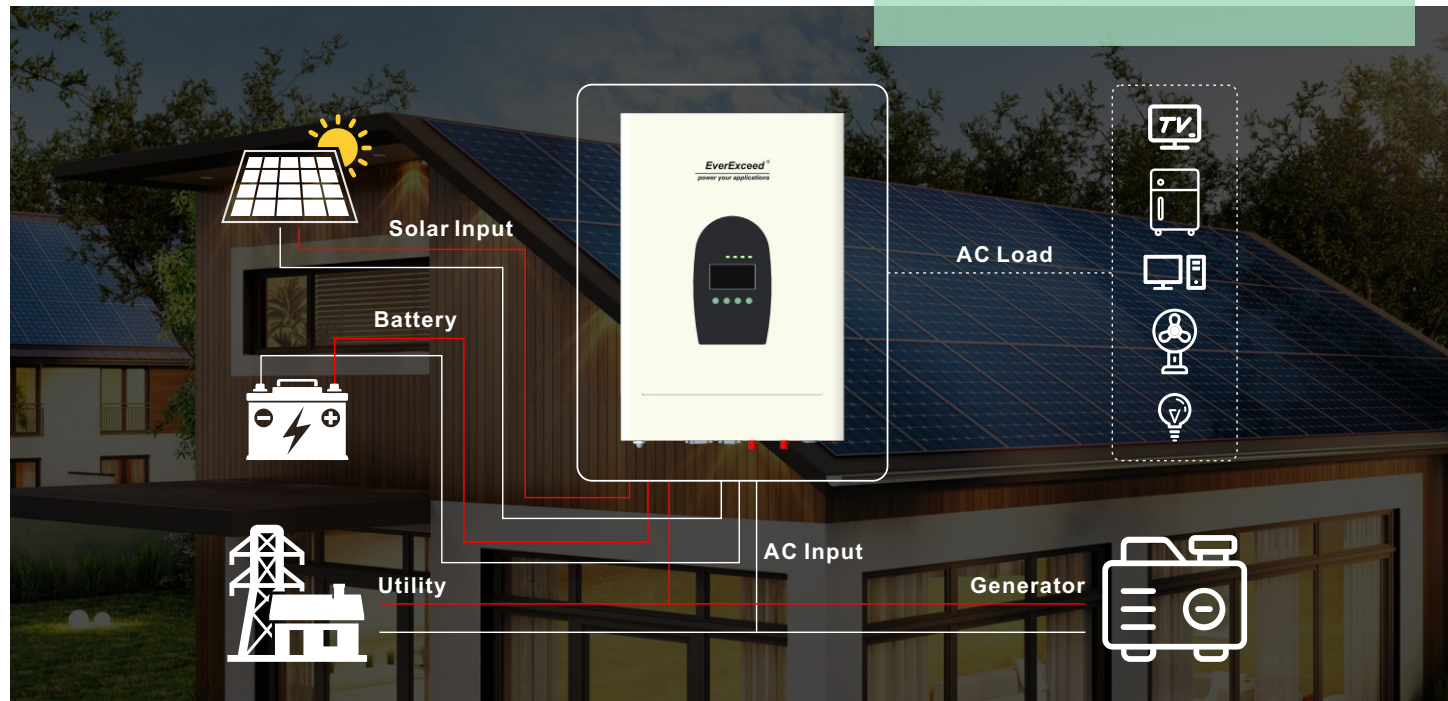
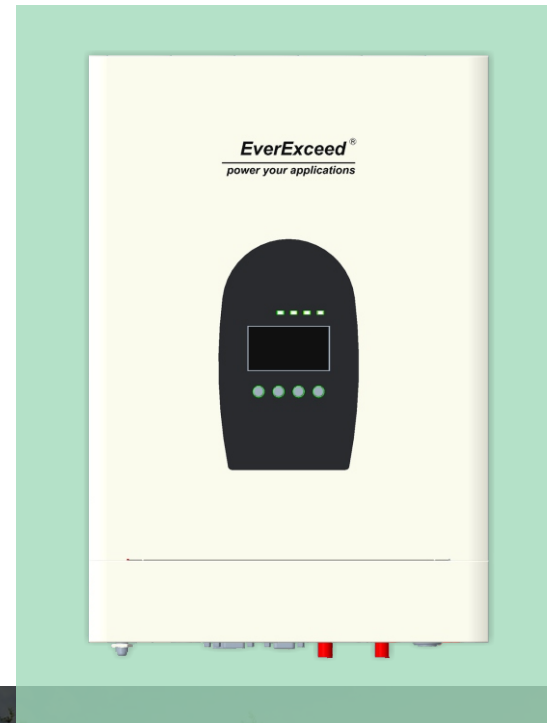
The forerunner series inverter is a high-end solar hybrid inverter, which uses the best core components to ensure the longest service life.

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. Helping you with Less dependence on energy providers and no more worries about rising electricity prices.

## Features:

- 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, perfect match with lithium battery
- Perfect match for a variety of batteries: Lithium, AGM, GEL, etc.
- Battery reverse connection protection.
- Perfect protection function, with Short circuit / over voltage / over temperature / overload / Reverse current protection.
- Support APP remote monitoring with WIFI module. (optional).
- 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
	Output Voltage	208/220/230/240Vac
	Frequency	50/60Hz
	Waveform	Pure Sine Wave
	Transfer Time	<20ms (Normal Mode)/<10ms(UPS Mode)
	Peak Power	6000VA
	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
	Constant Charge Voltage (Adjustable)	28.2VDC
	Float Charge Voltage (Adjustable)	27.0VDC
Charge	PV Charge Controller	MPPT
	Max. PV Power	3500W
	Max. PV Input Voltage	450VDC
	MPPT Voltage Range	120-430VDC
	Max. PV Charge Current	80A
	Max. AC Charge Current	80A
	Max. Total Charge Current	80A
Remote Monitoring	WIFI Module	Remote monitoring by mobile APP(optional)
Parallel	Parallel Card	Support max. 9pcs inverters in parallel
General	Operating Temperature	-10°C-55°C
	Storage Temperature	-20°C-60°C
	Max. Altitude	Max. 4000m (>1000m Inverter reduces power output)
	Humidity	5%-95%, No condensation
	Noise	< 50dB
	Dimension(LxWxD)	440x300x120mm
Weight	10.9kg	