

# Single Phase Hybrid Inverter

## 3024EMH



3000W  
24VDC



## Product Features



Touch color screen display, intuitive parameter display



Enhanced inverter output power under PV mode



Standard main and auxiliary dual AC voltage sufficient power output



Novel and fashionable RGB atmosphere lights indicator



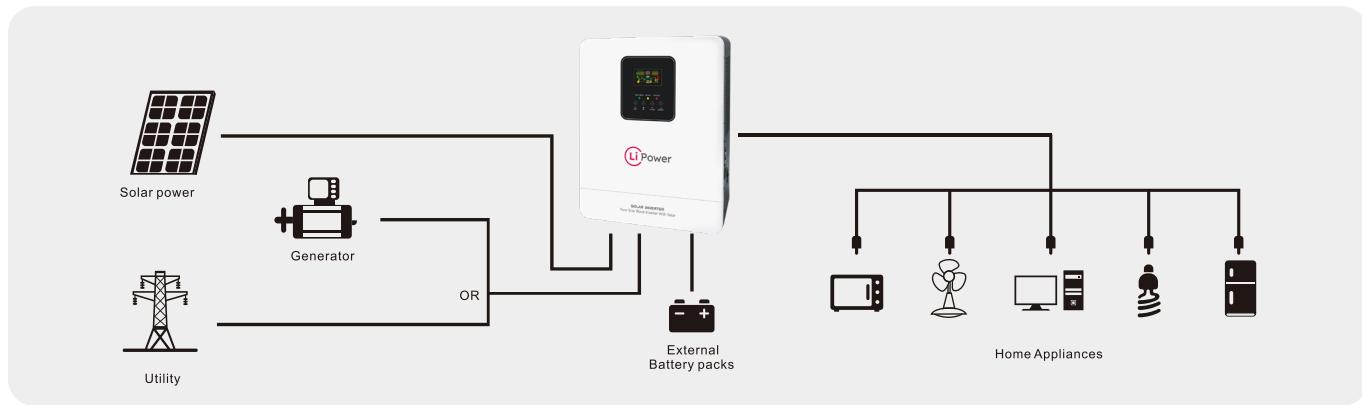
Higher photovoltaic utilization under PV and grid power complements



EMI filtering and strong anti-interference technology



Frosted white appearance design



Model		3024EMH
<b>Input</b>	Input format	L+N+PE
	Rated input voltage	220/230/240VAC
	Voltage range	90-280VAC±3V(Normal Mode) 170-280VAC±3V(UPS mode)
	Frequency range	50Hz/60Hz(Automatic Adaptation)
<b>Output</b>	Battery inverter	3000W
	Rated power	Photovoltaic inverter /
	Output voltage	220/230/240VAC±5%
	Output frequency	50/60Hz±0.1%
	Waveform	Pure sine wave
	Switching time (adjustable)	UPS MODE: 10 ms. (APL MODE) : 20 ms.
	Peak power	6000VA
	Overload capacity	Battery mode : 11s@105%~150% Load;2s@150%~200% Load;400ms@>200% Load
<b>Grid-connected operation</b>	Output voltage	None
	Voltage range fed into the power grid	
	Frequency range fed into the power	
	Rated output current	
	Power factor range	
<b>Battery</b>	Maximum conversion efficiency	
	Rated voltage	24Vdc
	Constant charging voltage (adjustable)	28.2Vdc
<b>PV-AC Charger</b>	Float charging voltage (adjustable)	27Vdc
	PV charging method	MPPT
	Maximum input power of PV	3000W
	MPPT input voltage range	30~500Vdc
	Optimal Vmp operating range	300~400Vdc
	Maximum PV input voltage	500Vdc
	Maximum PV input current	14A
	Maximum PV charging current	100A
	Maximum mains power charging	60A
	Maximum charging current	100A
<b>Display</b>	LCD interface	It can display operating mode / load / input / output, etc.
<b>Interface</b>	RS232	Baud rate 240
	Extended slot communication interface RS485	Lithium battery BMS communication card, WIFI card, dry contact card, etc.
	Parallel interface	None
<b>Environmental parameters</b>	Operating environment temperature	-10~50
	Operating environment humidity	20%~95%(No condensation)
	Storage temperature	-15~60 °C
	Altitude	The altitude should not exceed 1000 meters. For altitudes above 1000 meters, the rating should be reduced. The maximum altitude is 4000 meters. Refer to IEC 62040.
	Noise	≤50db
<b>Physical parameters</b>	Depth × Width × Height (mm)	404*304*114
	Weight (for reference) KG	6
Standards and Certifications		EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1