

# Single Phase Hybrid Inverter

## 2012EMH



**1600W**  
**12VDC**



## 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



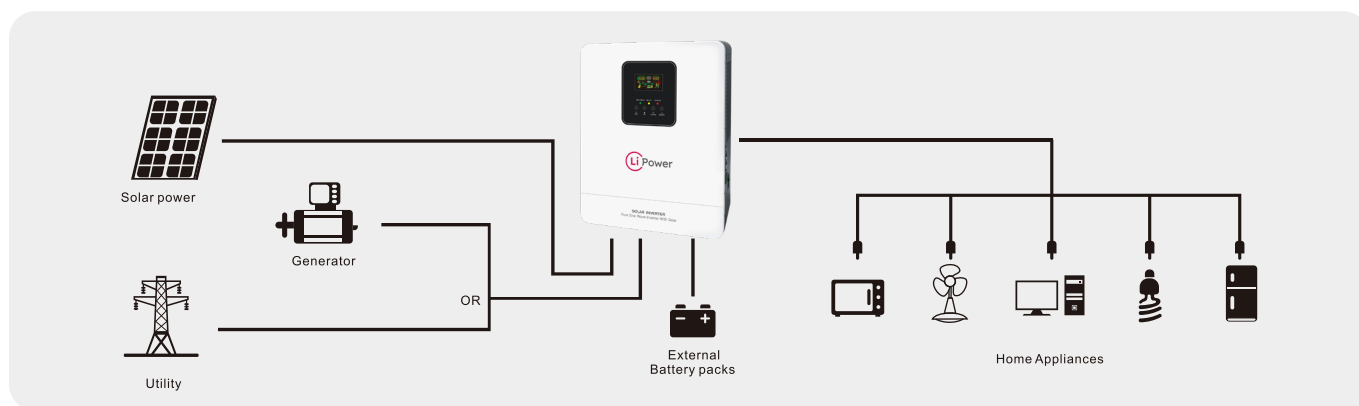
Higher photovoltaic utilization under PV and grid power complements



EMI filtering and strong anti-interference technology



Frosted white appearance design



Model		2012EMH
Input	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)
Output	Rated power	Battery 1600W
		Photovoltaic /
	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	3200VA
	Overload capacity	Battery mode: 11s@105%~150% Load;2s@150%~200% Load;400ms@>200% Load
Grid-connected operation	Output voltage	None
	Voltage range fed into the power	
	Frequency range fed into the power	
	Rated output current	
	Power factor range	
	Maximum conversion efficiency	
Battery	Rated voltage	12Vdc
	Constant charging voltage	14.1Vdc
	Float charging voltage (adjustable)	13.5Vdc
PV-AC Charger	PV charging	MPPT
	Maximum input power of PV	2000W
	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
Display	Maximum charging current	100A
	LCD interface	It can display operating mode / load / input / output, etc.
Interface	RS232	Baud rate 240
	Extended slot communication	Lithium battery BMS communication card, WIFI card, dry contact card, etc.
	Parallel interface	None
Environmental parameters	Operating environment temperature	-10~50 C
	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
Physical parameters	Depth × Width × Height (mm)	404*304*114
	Weight (for reference) KG	5.5
Standards and Certifications		EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1