

Single Phase Hybrid Inverter

2012EMH



1600W

12VDC



Product Features



Touch color screen display, intuitive parameter display



Higher photovoltaic utilization under PV and grid power complements



Enhanced inverter output power under PV mode



EMI filtering and strong anti-interference technology



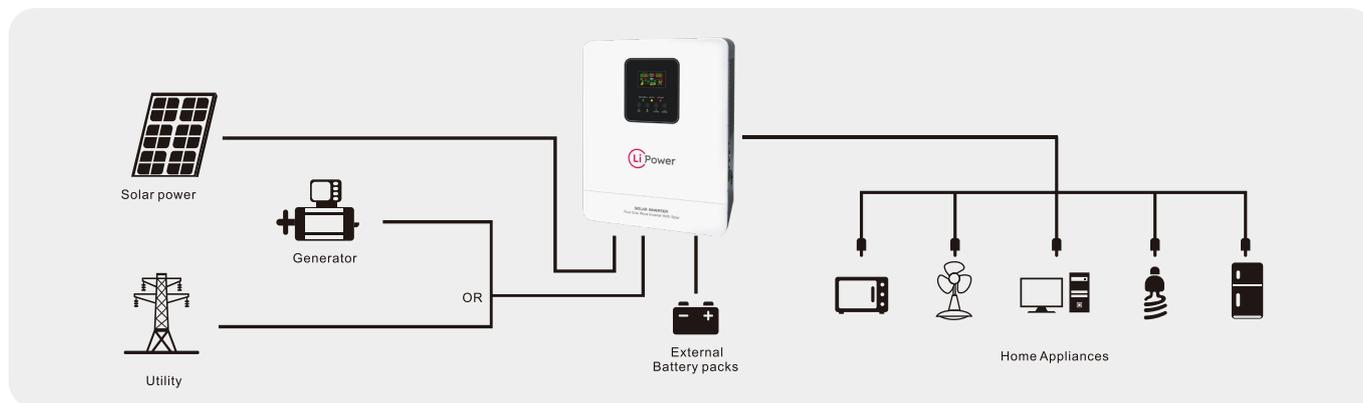
Standard main and auxiliary dual AC voltage sufficient power output



Frosted white appearance design



Novel and fashionable RGB atmosphere lights indicator



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	
Maximum charging current	100A		
Display	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	