

Single Phase Hybrid Inverter

BZ4024-24V



4KW
24VDC



Lithium Battery Auto-restart Function more convenient for Lithium Battery Charging



Battery Reverse Connection Protection with Fuse Switch, Safer Installation



High Precision of Output Voltage, $\pm 5\%$, Take Care of Your Appliances



Intelligent Power Supply Mode, Intelligent Distribution of Solar Panel/Mains/Battery Power Shares



PF1.0, High Efficiency, Lower Consumption, Energy Conservation/Environmental Protection/Electricity Saving/Cost Saving



Communication Option: External WIFI, Supervise at Any Time



Utility Charging Voltage/PV Charging Voltage Adjustable Match Different Battery Charging Requirements



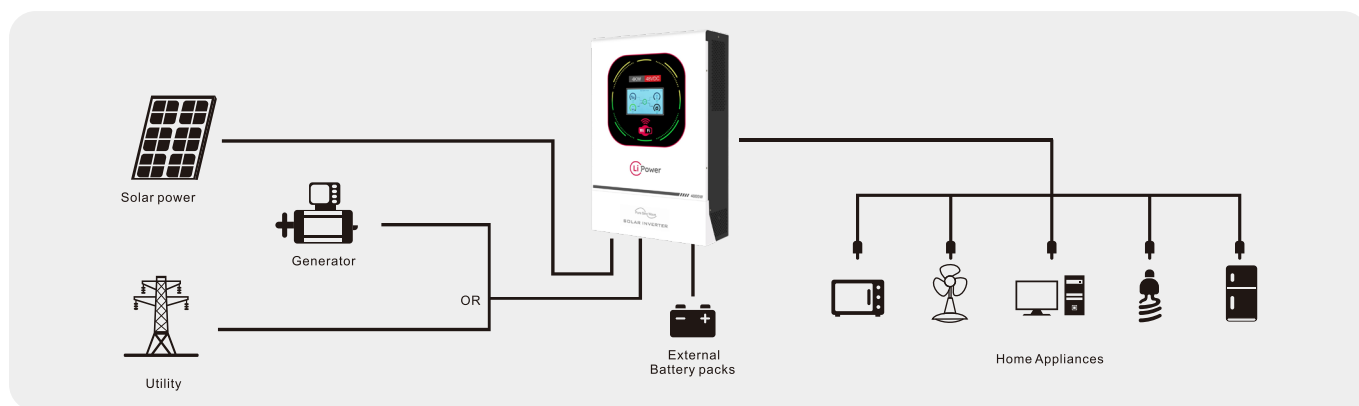
Support Working without Battery: Reduce Solar System Cost



BMS function for lithium battery



Slim Body, Convenient Installation And Transportation



Model			BZ4024SMHGW	
AC Input Data	Input format		L+N+PE	
	Rated input voltage		220/230/240 VAC	
	Voltage range		90-280VAC±3V(Normal Mode) 170-280VAC±3V(UPS mode)	
	Frequency range		50Hz/60Hz(Automatic Adaptation)	
AC Output Data	Rated power	Battery inverter	4000W	
		Photovoltaic inverter	4500W	
	Output voltage		220/230/240 VAC±5%	
	Output frequency		50/60Hz±0.1%	
	Waveform		Pure sine wave	
	Switching time (adjustable)		UPS MODE : 10 ms. (APL MODE) : 20 ms.	
	Peak power		8000VA	
	Overload capacity		Battery mode : 11s@105%~150% Load;2s@150%~200% Load;400ms@>200% Load	
	Grid-connected operation	Output voltage		220/230/240 VAC
Voltage range fed into the power grid		170-265VAC		
Frequency range fed into the power grid		49-51±1Hz/59-61±1Hz		
Rated output current		17.4A		
Power factor range		>0.99		
Maximum conversion efficiency (DC/AC)		98%		
Battery	Rated voltage		24Vdc	
	Constant charging voltage (adjustable)		28.2Vdc	
	Float charging voltage (adjustable)		27Vdc	
PV-AC Charger	PV charging		MPPT	
	Maximum input power of PV		6500W	
	MPPT input voltage range		60-500Vdc	
	Optimal Vmp operating range		300~400Vdc	
	Maximum PV input voltage		500Vdc	
	Maximum PV input current		27A	
	Maximum PV charging current		120A	
	Maximum mains power charging current		100A	
	Maximum charging current		120A	
Display	LCD interface		It can display operating mode / load / input / output, etc.	
Interface	RS232		Baud rate 240	
	Extended slot communication interface RS 485		Lithium battery BMS communication card, WIFI card, dry contact card, etc.	
	compatibility BMS		PYLONTECH-PYTES-DYNESS-PYTES-BYD-SUNWODA-EVE-PACEE-JD	
	Parallel interface		None	
Environmental parameters	Operating environment temperature		-10~50℃	
	Operating environment humidity		20%~95%(No condensation)	
	Storage temperature		-15~60℃	
	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)		483x313x143	
	Weight (for reference) KG		7.5	
Standards and Certifications			EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1	