

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



PFI.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



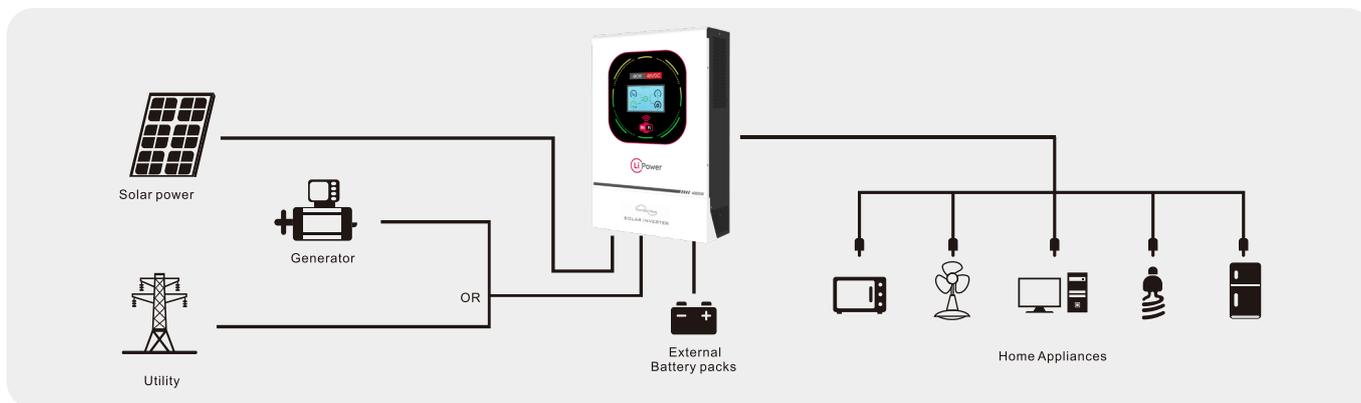
Support Working without Battery: Reduce Solar System Cost



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	50/60 Hz±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°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)	483x313x143	
	Weight (for reference) KG	7.5	
Standards and Certifications		EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1	