

Single Phase Hybrid Inverter

BZ4024-24V



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



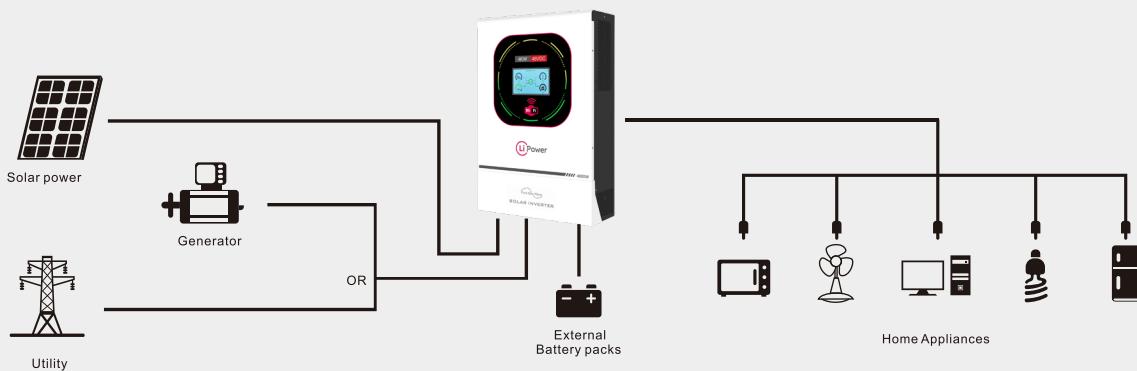
Support Working without Battery: Reduce Solar System Cost



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	4000W 4500W
	Battery inverter	
	Photovoltaic inverter	
	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
Grid-connected operation	Overload capacity	Battery mode : 11s@105%~150% Load;2s@150%~200% Load;400ms@>200% Load
	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
Battery	Maximum conversion efficiency (DC/AC)	98%
	Rated voltage	24Vdc
	Constant charging voltage (adjustable)	28.2Vdc
PV-AC Charger	Float charging voltage (adjustable)	27Vdc
	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
Display	Maximum charging current	120A
	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-DYNESSE-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 x Width x Height (mm)	483x313x143
	Weight (for reference) KG	7.5
Standards and Certifications		EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1