

Single Phase Hybrid Inverter

BZ11048-48V



11KW 48VDC



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



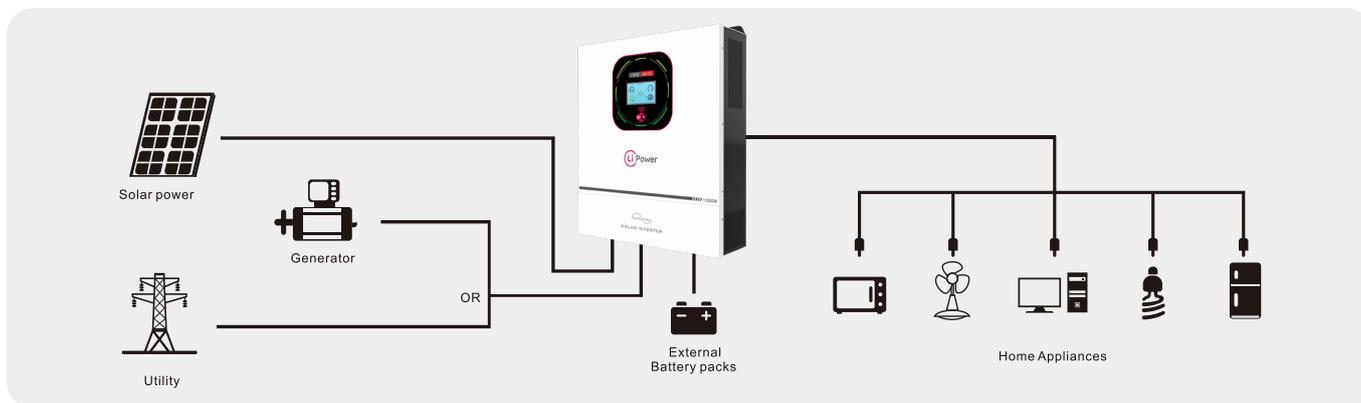
BMS function for lithium battery



Slim Body, Convenient Installation And Transportation



Parallel Function Up to Maximum 9 Units: Enlarge More Loads



Model		BZ11048SMH	
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	11000W
		Photovoltaic inverter	12000W
	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	22000VA	
	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	49.5±1Hz/59.6±1Hz	
	Rated output current	47.8A	
	Power factor range	>0.99	
	Maximum conversion efficiency (DC/AC)	98%	
Battery	Rated voltage	48Vdc	
	Constant charging voltage (adjustable)	56.4Vdc	
	Float charging voltage (adjustable)	54Vdc	
PV-AC Charger	PV charging	Dual-path MPPT	
	Maximum input power of PV	2×7500W	
	MPPT input voltage range	90~500Vdc	
	Optimal Vmp operating range	360~430Vdc	
	Maximum PV input voltage	500Vdc	
	Maximum PV input current	27A/ 27A	
	Maximum PV charging current	150A	
	Maximum mains power charging current	150A	
Maximum charging current	150A		
Display	LCD interface	It can display operating mode / load / input / output, etc.	
Interface	RS232	Baud rate 240	
	Extended slot communication interfaceRS 485	Lithium battery BMS communication card, WIFI card, dry contact card, etc.	
	compatibility BMS	PYLONTECH-PYTES-DYNESS-BYD-SUNWODA-EVE-PACEE-JD	
	Parallel interface	Parallel Grid connection	
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)	570.8x471x148.2	
	Weight (for reference) KG	19.3	
Standards and Certifications		EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1	