

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



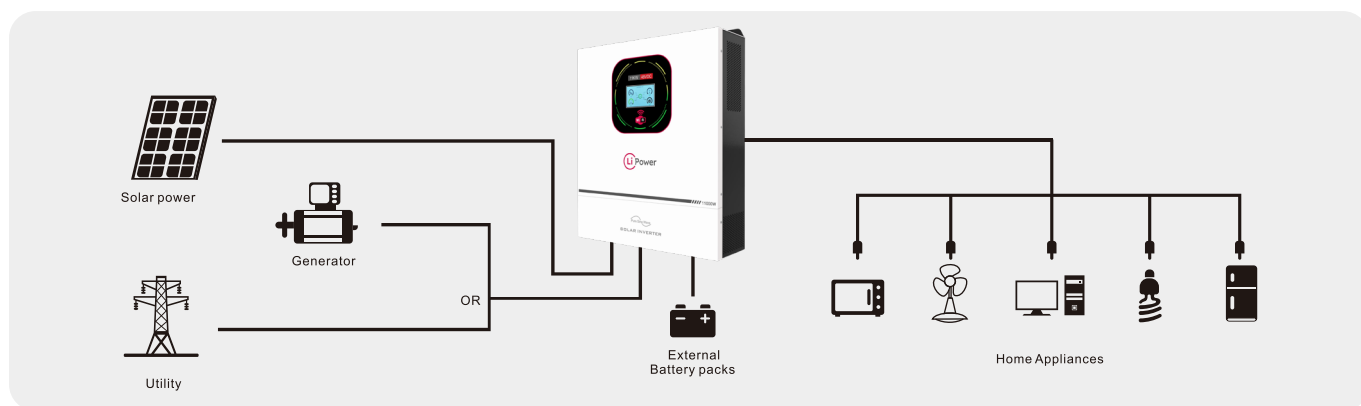
BMS function for lithium battery



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	
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		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
Display	LCD interface		It can display operating mode / load / input / output, etc.
	RS232		Baud rate 240
Interface	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	
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)		570.8x471x148.2
	Weight (for reference) KG		19.3
Standards and Certifications			EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1