

# Single Phase Hybrid Inverter

## BZ6248-48V



6.2KW  
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



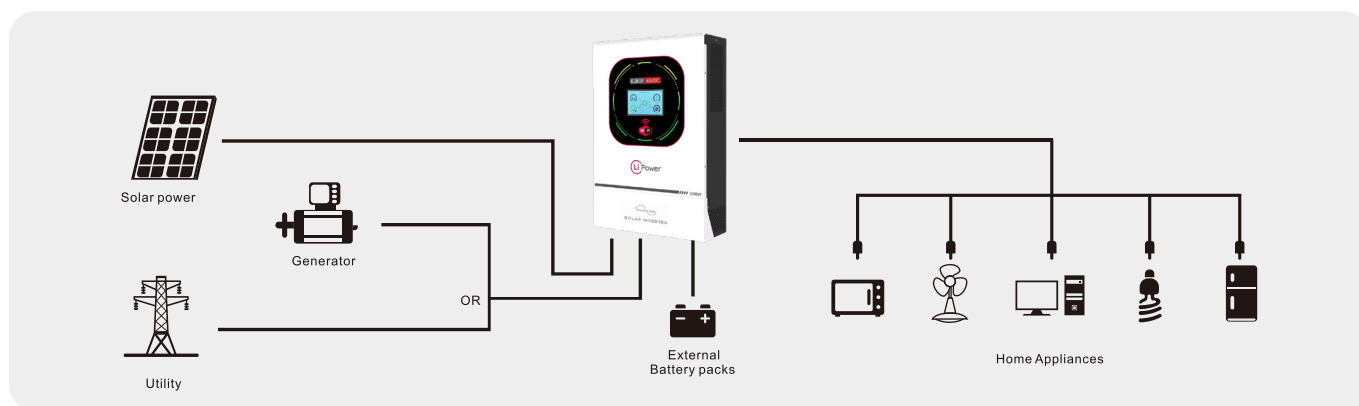
BMS function for lithium battery



Slim Body, Convenient Installation And Transportation



Parallel Function Up to Maximum 9 Units: Enlarge More Loads



Model		BZ6248SMH	
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	6200W
		Photovoltaic inverter	6500W
	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		12400VA
	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		26.9A
	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		MPPT
	Maximum input power of PV		8500W
	MPPT input voltage range		60-500Vdc
	Optimal Vmp operating range		360~430Vdc
	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-DYNES-BYD-SUNWODA-EVE-PACEE-ID
	Parallel interface		Parallel Grid connection
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		8.5
Standards and Certifications		EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1	