

# 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



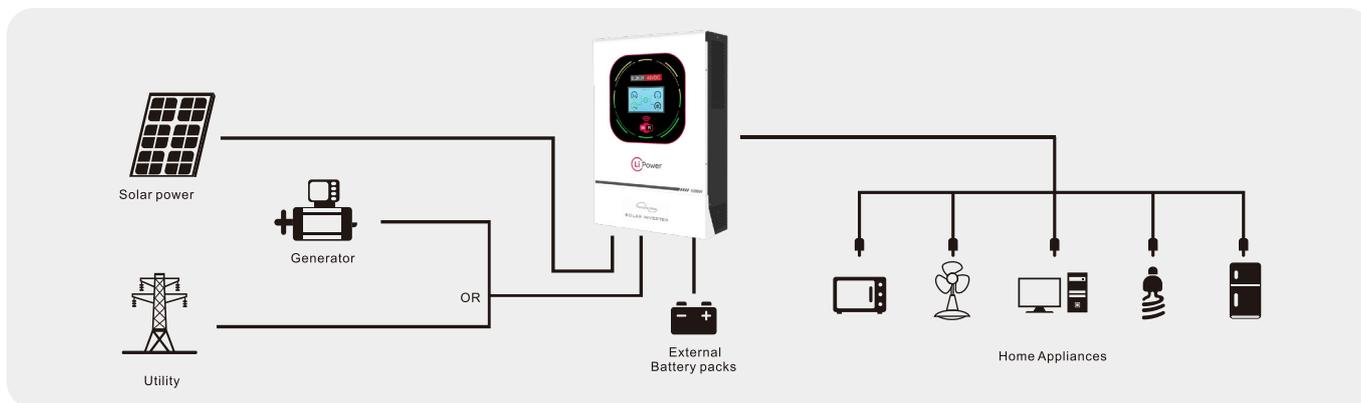
BMS function for lithium battery



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	50/60 Hz±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	
Display	LCD interface	It can display operating mode / load / input / output, etc.	
	RS232	Baud rate 240	
Interface	Extended slot communication interface RS 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	
	Operating environment temperature	-10~50	
Environmental parameters	Operating environment humidity	20%~95%(No compensation )	
	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	