

# Single Phase Hybrid Inverter

## BZ6248-48V



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



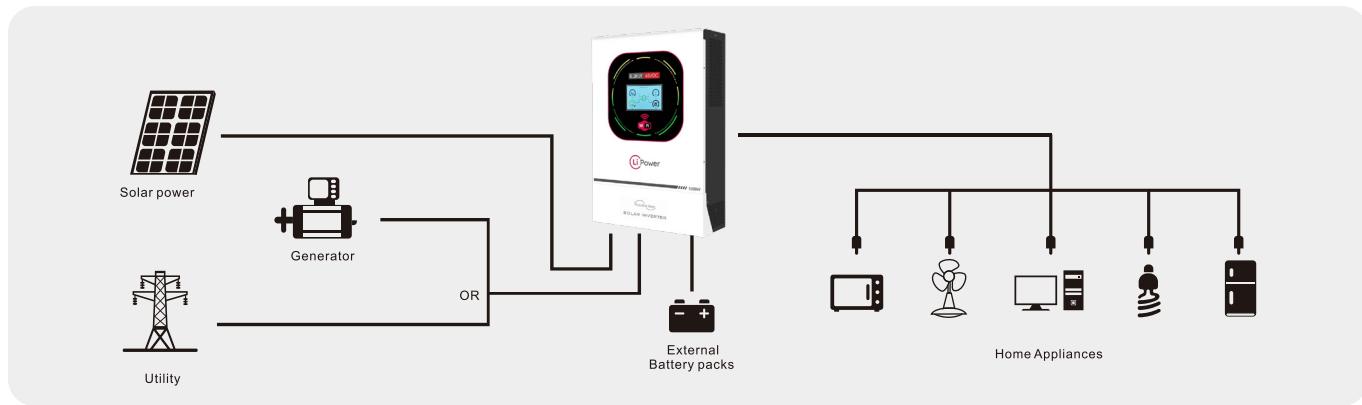
BMS function for lithium battery



Slim Body, Convenient Installation And Transportation



Parallel Function Up to Maximum 9 Units: Enlarge More Loads



Model			BZ6248SMH
<b>AC Input Data</b>	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 )
<b>AC Output Data</b>	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
<b>Grid-connected operation</b>	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%
<b>Battery</b>	Rated voltage		48Vdc
	Constant charging voltage (adjustable)		56.4Vdc
	Float charging voltage (adjustable)		54Vdc
<b>PV-AC Charger</b>	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	
<b>Display</b>	LCD interface		It can display operating mode / load / input / output, etc.
<b>Interface</b>	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-DYNESS-BYD-SUNWODA-EVE-PACEE-JD
	Parallel interface		Parallel Grid connection
<b>Environmental parameters</b>	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
<b>Physical parameters</b>	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	