



# HB Series Photovoltaic Inverter

## HB系列 光伏逆变器

800W-10000W



### 十大优势 Superiority



纯正正弦波输出  
Pure sine wave output



可以选内置MPPT/PWM30-60A控制器  
Optional built-in MPPT/PWM30-60A controller



可选支持WIFI /GPRS  
Can support WIFI / GPRS



直流启动及自动自诊断功能  
DC start & automatic self-diagnostic function



可调节市电启动电压，自动重启电压  
AC start-up voltage auto restart voltage



可选发电机自启  
Automatically send signal to start generator



可选铅酸电池/锂电池机型  
lead acid battery/Lithium battery



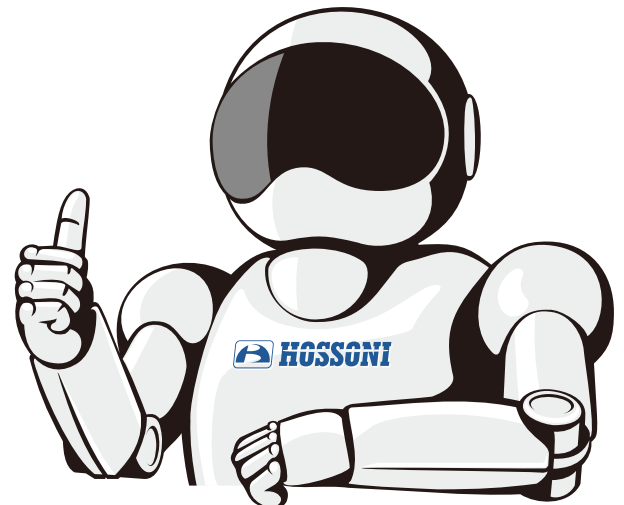
用于优化电池性能的高效设计  
High efficiency design for optimized battery performance



充电电流可调节  
Selectable charging current based on applications



控制器MPPT的效率高达98%  
MPPT efficiency max 98%



型号 Model	HB1012	HB1512	HB1524	HB2024	HB3024	HB5048	HB6348	HB10048	HB12548
电源输入 AC Input Voltage	220VAC(Standard)				220VAC(Standard)				
输入电压范围 Input Voltage Range	154-264VAC±3V(Normal Mode)185-264VAC±3v(UPS mode) 110V Model: 77-132VAC±3V(Normal Mode)92-132VAC±3V(UPS mode)								
输入频率 Input Frequency	50/60Hz±5%				50/60Hz±5%				
额定输出功率 Output Power	1000VA 800W	1500VA 1200W	1500VA 1200W	2000VA 1600W	3000VA 2400W	5000VA 4000W	6300VA 4800W	10000VA 8000W	12500VA 10000W
市电下输出电压 Output Voltage(AC)	市电下的输出电压跟输入电压一样 The output voltage under AC is the same as the input voltage								
市电下输出频率 Outout Frequency(AC)	市电下的输出频率跟输入频率一样 The output frequency under AC is the same as the input frequency								
逆变下输出电压 Output Voltage(DC)	220VAC±10%								
逆变下输出频率 Output Frequency(DC)	50HZ or 60HZ±1%								
逆变下输出波形 Wave Form	正弦波Pure Sine Wave								
电池类型 Battery Type	外接铅酸电池, 胶体电池, 水电池或者锂电池 External lead-acid battery,Gel battery,water or Lithium								
电池电压 Battery Voltage	12VDC	12VDC	24VDC	24VDC	24VDC	48VDC	48VDC	48VDC	48VDC
电池充电电压 Battery Charging Voltage	13.7VDC	13.7VDC	27.4VDC	27.4VDC	27.4VDC	54.8VDC	54.8VDC	54.8VDC	54.8VDC
最大光伏阵列功率 Max. PV Array Power	12V:800W 24V:1600W				24V:3200W 48V:6400W				
太阳能输入电压范围 Solar Input Voltage Range	12V:PWM 24V:PWM		15V-50VDC 30V-105VDC		24V:MPPT 30V-150VDC 48V:MPPT 60V-150VDC				
最大光伏阵列开路电压 Max.OCV of PV Array	12V:PWM 24V:PWM		50VDC 105VDC		24V:MPPT 150VDC 48V:MPPT 150VDC				
最大太阳能充电电流 Max. Solar Charging Current	60A				120A				
最大AC充电电流 Max. AC Charging Current	19A	29A	15A	19A	30A	24A	29A	48A	60A
转换时间 Transfer time	s10ms (UPS模式 Mode)/s20ms(INV模式Mode)								
负载峰值比Load Peak Ratio	(Max)3:1								
保护功能 Protections	市电下: 输入过流保险丝AC :input overcurrent fuse 逆变下: 过载保护、短路保护、低压保护, (可带电池防反接板)。 Inverter:overload protection,short circuit protection,low voltage protection, (with battery anti-reverse connection plate).								
状态显示 Status Display	通过翻页键可以查看, AC电压, AC频率, PV电压, PV电流, 输出电压, 输出频率, 电池电压, 负载电流等参数。 You can view parameters such as AC voltage,AC frequency,PV voltage,PV current,output voltage, output frequency,battery voltage,load current and other parameters by pressing the keys.								
声音提示 Sond Prompt	电池低电保护蜂鸣器长鸣Low battery protection-continuous beeping 电池低电蜂鸣器一秒一鸣Low battery protection buzzer beeps every second 机器故障蜂鸣器长鸣Machine fault continuous beeping 过载蜂鸣器长鸣Overload continuous beeping 过载小于130%蜂鸣器一秒一鸣, 30s后关断输出, 超载大于150%时300ms后关断输出 Overload less than 130%,every second beeping and shutdown the output after 30 seconds;Overload more than 150%,shutdown the output after 300ms								
工作温度 Operating Temperature	0°C~40°C								
存放温度 Storage Temperature	-15°C~45°C								
相对湿度 Relative Temperature	-10°C~90°C无凝结No condensation								
噪音 Noise	<45dB								
机器尺寸 Dimension(L*W*H)mm	345*254*105MM				545×400×200MM				



# HB Series Photovoltaic Inverter

## HB系列 光伏逆变器

5000W-10000W



## 十大优势 Superiority



纯正正弦波输出  
Pure sine wave output

 可调节市电启动电压，自动重启电压  
AC start-up voltage auto restart voltage

 充电电流可调节  
Selectable charging current based on applications

 可以选内置MPPT控制器  
Optional built-in MPPT controller

 自主研发的PCB板和散热系统，质量更稳定  
Self design PCB board and cooling system

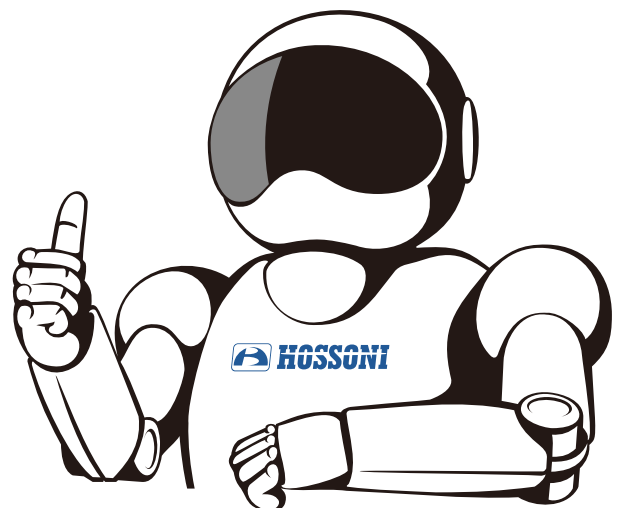
 充电效率高，MPPT最大效率可达98%  
MPPT efficiency max 98%

 市电恢复自动重启功能  
Auto Restart when Ac in recovering

 BMS 支持锂电通讯、外置WIFI、干接点功能  
Supports lithium battery communication and external WIFI

 高效设计和“省电模式”以节省能源  
High Efficiency Design & 'Power Saving Mode' to Conserve Energy

 可实现并机扩容,9台同时工作 (兼容三相并机)  
Parallel Function Up to Maximum 9 Units



型号Model	HB6348B	HB12548B
电源输入 AC Input Voltage	220VAC(Standard)	
输入电压范围 Input Voltage Range	90-275VAC ±3V(正常模式Normal Mode)170-275VAC ±3V(UPS模式UPS Mode)	
输入频率 Input Frequency	50/60Hz ±5%	
额定输出功率 Rated Output Power	5000W	10000w
市电下输出电压 Output Voltage(AC)	市电下的输出电压跟输入电压一样 The output voltage under AC is the same as the input voltage	
市电下输出频率 Output Frequency(AC)	市电下的输出频率跟输入频率一样 The output frequency under AC is the same as the input frequency	
逆变下输出电压 Output Voltage(DC)	220VAC ±10%	
逆变下输出频率 Output Frequency(DC)	50HZ or 60HZ ±1%	
逆变下输出波形 Output Wave (DC)	正弦波Pure Sine Wave	
电池类型 Battery Type	外接铅酸电池, 胶体电池, 水电池或者锂电池 External lead-acid battery, Gel battery, water or Lithium battery	
电池电压 Battery Voltage	48VDC	
电池充电电压 Battery Charging Voltage	56.4VDC(可设范围Setting Range: 48V-61V)	
最大光伏阵列功率 Max. PV Array Power	3200w	6400W
太阳能输入电压范围 Solar Input Voltage Range	48V:MPPT 60V-150VDC(定制可Customizable200VDC)	
最大光伏阵列开路电压 Max.Open Circuit Voltage of PV Array	48V:MPPT 150VDC(定制可Customizable200VDC)	
最大太阳能充电电流 Max. Solar Charging Current	60A	120A
最大AC充电电流 Max. AC Charging Current	30A	60A
转换时间 Transfer Time	≤10ms(UPS模式Mode)/≤20ms(INV模式Mode)	
负载峰值比 Load Peak Ratio	(MAX)3:1	
保护功能 Protections	市电下: 输入过流保险丝 AC:input overcurrent fuse 逆变下: 过载保护、短路保护、低压保护, 电池反接保护(保险管) Inverter:overload protection,short circuit protection,low voltage protection, battery reverse connection protection .	
状态显示 Status Display	通过翻页键可以查看, AC电压, AC频率, PV电压, PV电流, 输出电压, 输出频率, 电池电压, 负载电流等参数。 You can view parameters such as AC voltage,AC frequency,PVvoltage,PV current,output voltage,output frequency,battery voltage,load current and other parameters by pressing the keys.	
声音提示 Sound Prompt	电池低电保护蜂鸣器长鸣 Low battery protection continuous beeping 电池低电蜂鸣器一秒一鸣 Low battery protection every second beeping 机器故障蜂鸣器长鸣 Machine fault continuous beeping 过载蜂鸣器长鸣 Overload continuous beeping 过载小于130%蜂鸣器一秒一鸣, 30s后关断输出, 超载大于150%时300ms 后关断输出 Overload is less than 130%,every second beeping and shutdown the output after 30 seconds;More than 150%,shutdown the output after 300ms	
接口 Communication Port	RS232,锂电池BMS通讯, 并机接口, 干接点卡 RS232,lithium battery BMS communication,parallel interface,dry junction card	
工作温度 Operating Temperature	-10°C~50°C	
存放温度 Storage Temperature	-15°C~45°C	
相对湿度 Relative Humidity	20%~95%无凝结No condensation	
噪音 Noise	<45dB	
机器尺寸 Dimension (L*W*H)mm	527*330*149mm	545*400*200mm