



HBG Series Photovoltaic Inverter

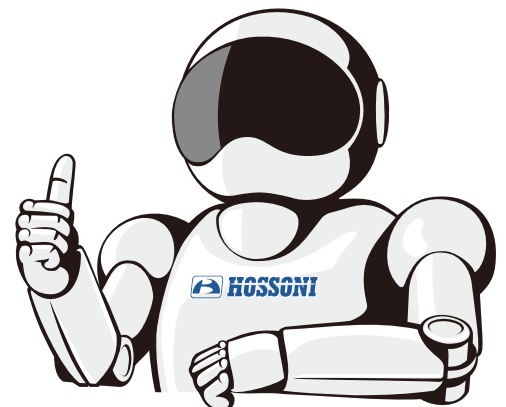
HBG系列 光伏逆变器

3000W-11000W



十大优势 Superiority

-  **锂电自启, 更好匹配锂电充电**
Lithium Battery Auto-restart Function, More Convenient for Lithium Battery Charging
-  **1.0 PF, 高效逆变, 低损耗节能/环保/省电/省钱**
PF1.0, High Efficiency, Lower Consumption, Energy Conservation/Environmental Protection/Electricity Saving/Cost Saving
-  **智能供电模式, 智能分配太阳能板/市电/电池的电能占比**
Intelligent Power Supply Mode, Intelligent Distribution of Solar Panel/Mains/Battery Power Shares
-  **无熔丝开关电池防反接功能: 安装更安全**
Battery Reverse Connection Protection with Fuse Switch, Safer Installation
-  **市电充电电压/PV充电电压智能可调, 精准匹配各种电池充电要求**
Utility Charging Voltage/PV Charging Voltage Adjustable, Match Different Battery Charging Requirements
-  **输出电压精度高, ±5% 呵护您的电器**
High Precision of Output Voltage, ±5%. Take Care of Your Appliances
-  **支持不带电池工作: 降低系统成本**
Support Working without Battery: Reduce Solar System Cost
-  **可以外接wifi, 数据实时化监控**
Communication Option: External WIFI, Supervise at Any Time
-  **锂电池BMS协议**
BMS function for lithium battery
-  **方便安装, 方便运输**
Convenient Installation And Transportation



型号 Model		HBG3024	HBG3624	HBG5548	HBG6248	HBG11048
输入 Input	输入制式 Input Formation	L+N+PE				
	额定输入电压 AC Input Voltage	220/230/240VAC				
	电压范围 Input Voltage Range	90-280VAC ± 3V(正常模式Normal Mode)170-280VAC ± 3V(UPS模式UPS Mode)				
	频率范围 Frequency Range	50/60Hz(自适应Adaptive)				
输出 Output	输出额定功率 Rated Output Power	3000W	3600W	5500W	6200W	11000W
	输出电压 Output Voltage	220/230/240VAC ± 5%				
	输出频率 Output Frequency	50/60Hz ± 0.1%				
	波形 Wave Form	纯正弦波Pure Sine Wave				
	切换时间(可设) Transfer Time(Adjustable)	计算机设备10ms,家用电器20ms 10ms for Computer Equipment,20ms for Household Equipment				
	峰值功率 Peak Power	6000VA	7200VA	10000VA	12400VA	22000VA
	过载能力 Overload Ability	电池模式Battery Mode:21s@105%~150%Load 11s@150%~200%Load 400ms@>200%Load				
	额定电压 Rated Voltage	24VDC		48VDC		
电池 Battery	恒压充电电压(可设) Constant Charging Voltage(Adjustable)	28.2VDC		56.4VDC		
	浮充充电电压(可设) Float Charging Voltage(Adjustable)	27VDC		54VDC		
	PV充电方式 PV Charging Method	MPPT				MPPT*2
充电器 Charger	PV最大输入功率 Max. PV Input Power	4200W		5500w	6200W	2x5500W
	追踪范围 MPPT Tracking Range	60~500VDC		60~500VDC	60~500VDC	90~500VDC
	最佳Vmp工作范围 Best VMP Working Range	300~400VDC		300~400VDC	300~400VDC	300~400VDC
	最大PV输入电压 Max. PV Input Voltage	500VDC		500VDC	500VDC	500VDC
	最大PV输入电流 Max. PV Input Current	18A				18A/18A
	最大PV充电电流 Max. PV Charging Current	100A	100A	100A	100A	150A
	最大市电充电电流 Max. AC Charging Current	60A	80A	60A	80A	150A
	最大充电电流 Max. Charging Current	100A	120A	100A	120A	150A
显示 Display	LCD	可显示运行模式/负载/输入/输出等 Displayable operating mode/load/input/output etc.				
接口 Communication Port	RS232	5PIN/Pitch2.54mm, 波特率Baud Rate 2400				
	扩展插槽通讯接口 Expansion Slot Communication Interface	2×5PIN/Pitch2.54mm, 锂电池BMS通信卡、Wi-Fi卡、干接点卡等 2×5PIN/Pitch2.54mm Lithium Battery BMS Communication Card,Wi-Fi,Dry cation				
环境参数 Environmental Parameter	运行环境温度 Operating Temperature	-10°C~50°C				
	储存温度 Storage Temperature	-15°C~60°C				
	海拔高度 Altitude	海拔高度不应超过1000m,1000m以上降额, 最高4000m,参考IEC62040 No more than 1000m,If 1000m<,Rate power will lower,Max.4000m,Refer to IEC62040				
	运行环境湿度 Operating Environment Humidity	20%~95%无凝露 Non Condensation				
	噪音 Noise	≤50db				
物理参数 Dimension	深*宽*高 L*W*H(mm)	495*312*146mm				570*500*148mm
标准和认证 Standards and Certifications		EN-IEC 60335-1,EN-IEC 60335-2-29,IEC 62109-1				



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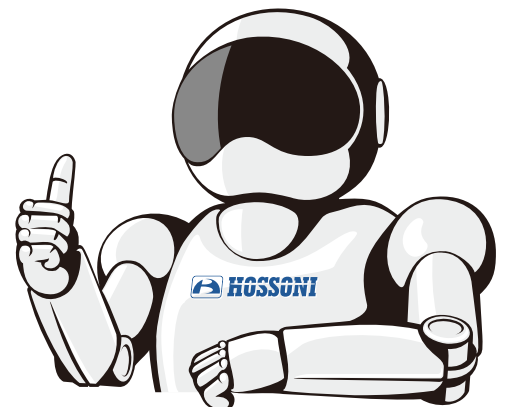
HBG系列 光伏逆变器

1600W-3000W



十大优势 Superiority

-  **轻薄机身, 方便安装, 方便运输**
Slim Body, Convenient Installation And Transportation
-  **输出电压精度高, 呵护您的电器**
High Precision of Output Voltage, Take Care of Your Appliances
-  **空载损耗小, 低于同功率高频机的一半**
Low no-load loss, lower than high-frequency machines with the same power rate
-  **支持WIFI / 锂电池BMS通讯**
External WIFI / BMS function for lithium battery
-  **纯正弦波输出, 可适应不同负载**
Pure sine wave output, suitable for different loads
-  **根据用户需要, 可以调节多项参数**
Multiple parameters can be adjusted according to user needs
-  **无熔丝开关电池防反接功能: 安装更安全**
Battery Reverse Connection Protection with Fuse Switch, Safer Installation
-  **带MPPT太阳能控制器**
Optional solar controller with MPPT



型号 Model		HBG2012E	HBG3024E
输入 AC Input	额定输入电压 Rated Input Voltage	220VAC(标准Standard)/110VAC(定制Customized)	
	电压范围 Input Voltage Range	90-280VAC ± 3V(正常模式Normal Mode)170-280VAC ± 3V (UPS模式UPS Mode)	
	输入频率 Input Frequency	50/60Hz ± 5%	
输出 Output	输出额定功率 Rated Output Power	1600W	3000W
	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%(110VAC ± 10%)	
	逆变下输出频率 Output Frequency(DC)	50HZ或60HZ ± 1%	
	逆变下输出波形 Output Wave(DC)	纯正弦波Pure Sine Wave	
电池 Battery	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,Gel battery,water battery or Lithium	
	额定电压Rated Voltage	12VDC	24VDC
	充电电压 Charging Voltage(Adjustable)	14.1VDC	28.2VDC
充电器 Charger	最大光伏阵列功率 Maximum Photovoltaic Array Power	2000w	3000W
	PV输入电压范围(MPPT) PV Input Voltage Range(MPPT)	40V-450VDC	40V-500VDC
	最大光伏阵列开路电压 Max. VOC of PV Array	400VDC	500VDC
	最佳Vmp工作范围 Best VMP Working Range	300-400VDC	300-400VDC
	最大PV充电电流 Max. PV Charge Current	60A	100A
	最大市电充电电流 Max. AC Charge Current	60A	60A
	转换时间 Transfer Time	≤ 10ms(UPS模式Mode)/ ≤ 20ms(INV模式Mode)	
	过载能力 Overload Ability	电池模式Battery Mode:21s@105%~150%Load 11s@150%~200%Load 400ms@>200%Load	
保护 Protections	市电下 AC Mains mode	市电下: 输入过流无熔丝开关保护AC:Input overcurrent without fuse switch protection	
	逆变下 Inversion mode	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,short circuit,low voltage,with battery Anti-reverse connection protection (fuse)	
显示 Display	显示屏 Display Screen	彩色段码屏Color segment code screen	
	翻页 Flipping Pages	可显示运行模式/负载/输入/输出等Displayable operating mode/load/input/output	
	LED	LED灯显示市电, 充电状态, 逆变状态, 故障状态 LED lights display mains power,charging status,inverter status,and fault status	
环境参数 Enviromental Parameter	运行环境温度 Operating Temperature	10°C~50°C	
	储存温度 Storage Temperature	10°C~60°C	
	声音提示 Sound prompt	蜂鸣器根据故障代码不同, 报警声音不同, 用长短音区分 The alarm sound of the buzzer varies depending on the fault code	
	运行环境湿度 Operating Environment Humidity	20%~90%无凝露No Condensation	
	噪音 Noise	≤ 50dB	
物理参数 Dimension	深*宽*高 L*W*H(mm)	345*254*105mm	