

太阳能系统/Solar System

SUVPR
GREEN ENERGY NEW LIFE



系统型号/Model No.	XT-GP5000	
太阳能板/Solar Panel	1400wp	
控制器/Controller	规格/Capacity	96V/50A
	蓄电池欠压保护点/low-voltageprotection	76±4Vdc
	欠压恢复点/low-voltageself-recovery	86±4Vdc
	充电终止电压/Stopcharging voltage	116Vdc
	效率/Efficiency	96% (Max)
电池/Battery	电池类型/Battery Type	深循环免维护铅酸蓄电池/Lead-acid battery
	电池容量/Capacity	12V/200AH*8(Max.:19200WH)
逆变器/Inverter	额定输出功率/Rated Output Power	5000W
	输出电压/Output Voltage	220V±10%
	转换效率/Working Efficiency	>85%
	输出波形/Output Wave	Pure Sine Wave (THD≤5%) / 纯正弦波 (波形失真度≤5%)
	切换时间(微秒)/Switching Time(ms)	≤4ms (Switches between city power and inverter)
	保护功能/Protection Function	1. 过压自动保护/过压自动恢复/DC over-voltage protection/over-voltage self-recovery 2. 欠压自动保护/欠压自动恢复/DC low-voltage protection/low-voltage self-recovery 3. 过温保护/短路保护/过载保护. Overheat/short-current/overload protection
主要特性/Main Features	<p>1. 市电稳压功能/AVR Functions: AC145V-275V(输入/ input), AC198V-242V(输出/output) 2. 自动转换、自动恢复和无人值守功能Auto-switch, self-recovery and unattended operation. 3. 市电互补功能/Solar energy and utility power complementary functions: 该系统能直接将太阳能发电供给负载使用, 并根据太阳光的强弱自动选择太阳能或市电对负载供电, 实现工作模式的自动转换。The system can provide electricity produced by solar energy to loads directly. It can automatically select the solar energy or utility power as power source according to the change of sunshine, and the work mode will be chosen and switched automatically. 根据太阳能的强弱变化及电池电压情况, 自动选择市电或太阳能对电池的充电功能, 可实现市电旁路但不充电功能。The systems can automatically select the solar energy or utility power to charge the battery according to the state of the sunlight and battery voltage. AC by pass without charging function is available. 自动识别白天和夜晚状态, 设备在夜晚状态下处于互动模式。The systems can automatically identify the state of day and night, and interactive switches between AC mode and inverting mode at night</p>	

用电参考表 (Power Consumption for reference)

负载名称/Appliance	功率/Rated Power (W)	数量/QTY (PCS)	每天工作时间/Daily Working Time (H)	日总耗电数/Daily Power Consumption (WH)	备注/Notes:
节能灯/LED Lamps	9	4	5	180	1. 该系统可带动以上负载连续工作2-3个阴雨天。 With above appliance, the system can work for 2-3 overcast/rainy days continuously. 2. 用户可根据自己需求调整所带负载及使用时间。若需使用更长时间, 用户可自己在系统外增加电池和太阳能板, 该系统已预留接口, 所配的控制器的也有预留空间。Users can adjust loading equipments & working time as their need. Longer working time is available by adding external batteries and solar panels by users themselves, as the system has reserved the connection port and capacity of solar controller.
卫星电视接收机/Satellite Receiver	25	1	3	75	
液晶电视/LCD TV	100	1	3	300	
风扇/Fan	50	1	3	150	
笔记本/Laptop	90	1	2	180	
传真机/Fax Machine	100	1	0.5	50	
打印机/Printer	150	1	0.5	75	
150L冰箱/Fridge	150	1	24	800	
台式电脑/Computer	250	1	2	500	
洗衣机/Washing Machine	300	1	0.8	270	
电饭煲/Rice Cooker	500	1	0.5	250	
空调/Air Conditioner	750	1	2	1500	
微波炉/Microwave Oven	1000	1	0.5	500	
其他/Other equipments	10	1	2	20	
合计	3031W			3345	

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