

Solar Power System Cabinet

1KW-5KW48V/8KW-10KW96V

- Pure sine wave output
- CPU control technology; SCM control
- Strong ability of impact resistance
- Have UPS function and AC charger function
- Wide input voltage range: 145-275V; three step AVR (two step -up, one step -down)
- Protection against overload, short-circuit, overvoltage, under-voltage and over-temperature, etc.
- Anti reverse connection protection and high-low voltage protection(option)
- Special overload protection: when it is overload, it will lock the unit automatically, when it restores, it will restart the unit automatically again.
- Strong inverter ability. It can change frequency immediately and it is able to drive the inductive load such as air conditioner, refrigerator, motor, etc.
- LCD display
- Meet the need of different power supply
- Use MOSFET and IGBT
- Can choose working mode by yourself

Working Mode Option:

1、 The city power priority: when city power is available ,the inverter will work AC output , city power will supply to load ; when have both city power and sun power , inverter will charges 2 kinds power to battery . when city power failed, sun power charges the battery and use battery power(solar power) talk the load .

2、 Solar power priority :when it have sun power , sun power charges the battery and take the load , when it does not have sun power , inverter will use battery power take the load , when battery power is lower ,inverter will automatically use ups function to supply power to load and charge the battery

The scope of application of solar energy system:

This is a new type of PV system, designed to resolve the problem of power shortage for the families, companies and other places. It is mainly contain case, inverter, solar controller, breaker, fuse, input/output terminal. It can use for light, radio, DVD, TV set, fans, freezer, computers, small hand-drill, and communication equipment. The AC system is widely used in the field of family houses, schools, hospitals, offices, etc.

Technical Specifications

Model	S1000	S1500	S2000	S3000	S4000	S5000	S8000	S10000
Size (L*W*H)	600*650*1100mm						600*740*1400mm	
Packing Size (L*W*H)	630*680*1300mm						630*770*1600mm	
PWM Controller/MPPT Controller (Optional)							PWM Controller	

Rated DC Voltage		24V/48V	48V				96V				
Rated Current (A)		30A/50A	50A/60A				50A/100A				
Solar Input	Maximum Power (WP)	720/1200 1440/2400	2400/2880				4800/9600				
	Nominal Operating Voltage(V)	36.5/73	73				146				
Inverter											
Rated Capacity		1000W	1500W	2000W	3000W	4000W	5000W	8000W	10000W		
Input	Commercial Power range(VAC)	100/110/120/220/230/240 (+25%, -35%)				100/110/120/220/230/240 (±20%)					
Output	AVR voltage range (VAC)	100/110/120/220/230/240±10% (Auto-sensing)				100/110/120/220/230/240 (No Auto-sensing)					
	Transfer time	Typical: 5ms(Including detection time)									
	Wave from	Pure sine wave									
	Frequency(Hz)	Commercial power supply: shared frequency with the commercial inversion state:60/50±0.5									
	Voltage(VAC) AC	100/110/120/220/230/240±2%									
	Over Load Protection	10 seconds delay shutdown for 120% exceeded									
Battery	Capacity	4PCS*200AH						8PCS*150AH			
	DC Voltage	24V/48VDC	48VDC				96VDC				
	TYPE	Sealed, maintenance-free lead acid									
	AC charge current	20A(Maximum)				25A(Maximum)					
	Battery protection	Automatic self-test, discharge protection, over-charge protection, smart management system.									