



***SOLAR HOME SYSTEM  
SPECIFICATION  
EEMB ET-5000***

**BRIEF SPECIFICATION**

Model: EEMB ET-5000

Solar panel power: 5000W

Battery voltage: 48V

Battery capacity: 1500Ah

ISO9001 Certified

Manufacturer: EEMB Co., Ltd.

Website: <http://eemb.com>

## STANDARD SPECIFICATION

### 1. SUBJECT

This specification presents typical and guaranteed ex-work values of the 5000W solar home system of model EEMB ET5000.

Solar home system is mainly composed of solar module, battery, controller, inverter and distribution box, which can be applied to household electrical appliance according to the parameters of the components.

### 2. SPECIFICATION OF SYSTEM COMPONENTS

Components	Description		Quantity
Solar panel	Model	ESP180	28
	Power	180W	
	Working voltage	34.4V	
	Working current	5.23A	
Battery	Type	New technology	24
		Traditional battery	
	LiFePO4 battery	Lead-acid battery	
	System voltage	2V	
	Capacity	1500Ah	
Controller	System voltage	48V	1
	Rated current	100A	
Inverter	Model	Pure sine wave	2
	Power rating	3000W	
	Peak power	4000W	
	Output voltage	100V/240V50Hz/60Hz	
Distribution box	Materials	Steel, zincification, spraying plastics	1

Note: The type of battery is alternative.

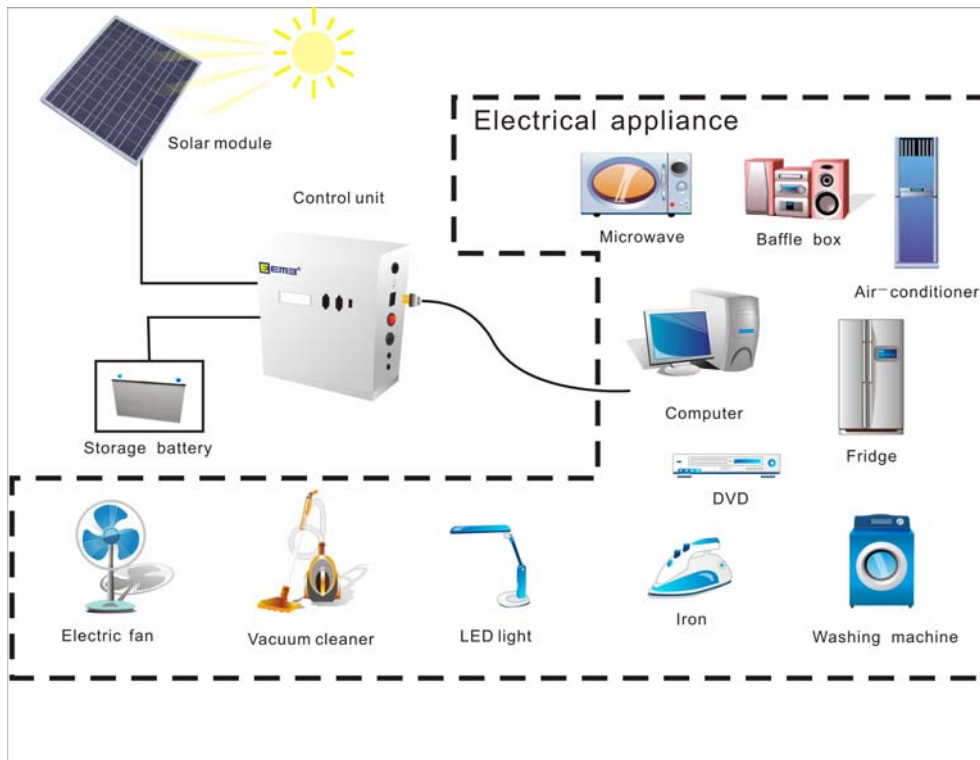
### 3. THE LOAD CAPABILITY OF SYSTEM(The system can satisfied the power need of the following household appliances)

Load	Specification	Power	Quantity	Working time (hours)	Daily consumption	Continuous wet days
Illumination	Energy saved lamp	11W	16	6	1056Wh	3
Computer	Liquid crystal display	100W	6	10	6000Wh	
Printer	Laser	250W	1	1	250Wh	
Fax-machine	Spurt ink	150W	1	2	150Wh	
Refrigerator	150L	100W	1	24	800Wh	

Note: Any representations in this brochure concerning performance, are for informational purposes only and are not construed as warranties either expressed or implied, of future performance.

Washing machine		300W	1	0.5	150Wh	3
Microwave oven		1000W	1	1	1000W	
Air conditioner	1.5 pair	1200W	1	10	6000Wh	
VCD Satellite TV		25W	3	10	750W	
Colored TV	21inch	95W	3	10	2805Wh	
Pump		400W	3	1	1000Wh	
Total		3800W			19961Wh	

#### 4. SCHEMATIC DIAGRAM



#### 5. Photo



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