



# *SOLAR HOME SYSTEM SPECIFICATION*

## *EEMB ET-50*

### **BRIEF SPECIFICATION**

Model: EEMB ET-50

Solar panel power: 50W

Battery voltage: 12V

Battery capacity: 40Ah

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 50W solar home system of model EEMB ET-50.

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	ESP050	1
	Power	50W	
	Working voltage	17.4V	
	Working current	2.87A	
Battery	Type	New technology	1
		Traditional battery	
	LiFePO4 battery	Lead-acid battery	
System voltage	12V		
Capacity	40Ah		
Controller	System voltage	12V	1
	Rated current	5A	
Inverter	Model	Pure sine wave	1
	Power rating	150W	
	Peak power	300W	
	Output voltage	100V/240V50Hz/60Hz	
Distribution box	Materials	Steel, zincification, spraying plastics	1

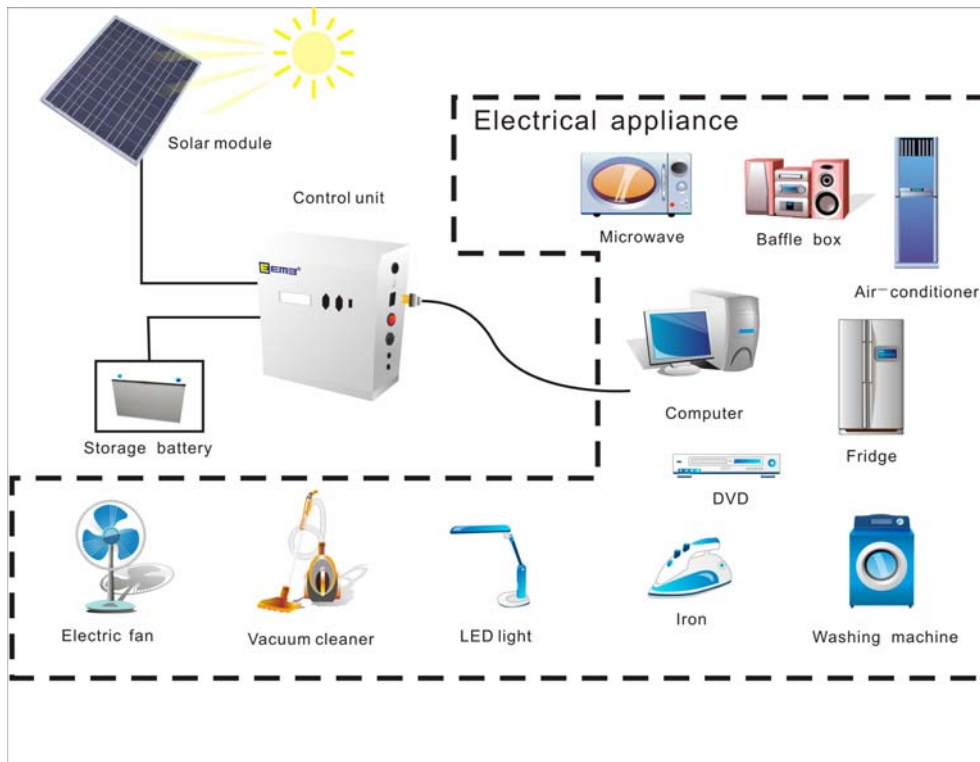
Note: The type of battery is alternative.

### 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
LED light	12V, 4W	4W	3	10	120Wh	2
TV	12 inch	15W	1	3	45Wh	2

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#### 4. SCHEMATIC DIAGRAM



#### 5. Photo



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