



***SOLAR HOME SYSTEM
SPECIFICATION
EEMB ET-500***

BRIEF SPECIFICATION

Model: EEMB ET-500
Solar panel power: 500W
Battery voltage: 24V
Battery capacity: 260Ah
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 500W solar home system of model EEMB ET500.

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	ESP170	3
	Power	170W	
	Working voltage	35.4V	
	Working current	4.81A	
Battery	Type	New technology	2
		Traditional battery	
	LiFePO4 battery	Lead-acid battery	
	System voltage	12V	
	Capacity	260Ah	
Controller	System voltage	24V	1
	Rated current	20A	
Inverter	Model	Pure sine wave	1
	Power rating	600W	
	Peak power	1200W	
	Output voltage	100V/240V50Hz/60Hz	
Distribution box	Materials	Steel, zincification, spraying plastics	1

Note: The type of battery is alternative.

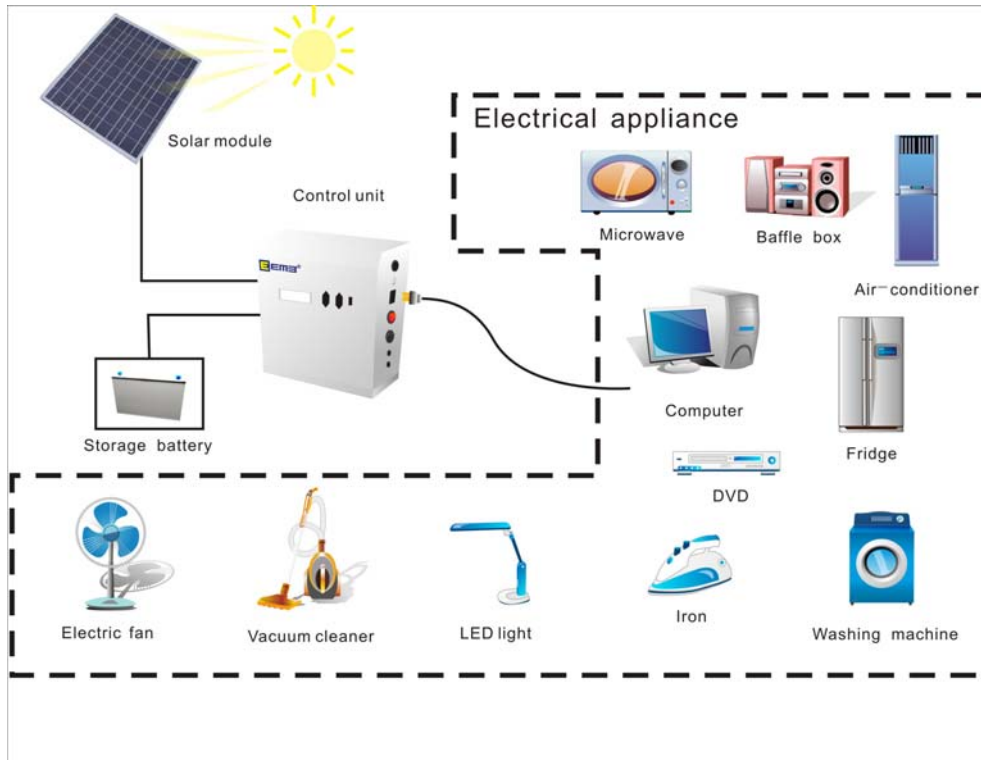
3. THE LOAD CAPABILITY OF SYSTEM(The system can satisfied the power need of the following household appliances)

Load	Specification	Power	Quantity	Working time (hours)	Daily consumption	Continuous wet days
LED light	4W/12V/220V	4W	6	6	144Wh	3
TV	95W/220V	95W	1	6	570Wh	
Satellite TV set	25W/220V	25W	1	6	150Wh	
Computer	40W/220V	40W	1	4	160Wh	
Fan	60W/220V	60W	1	4	240Wh	
Refrigerator	50W/221V	50W	1	24	500Wh	
Washing machine	110W/220V	100W	1	1	100Wh	

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.

Water pump	200W/220V	200W	1	0.9	180W	3
Total		544W			2024W	

4. SCHEMATIC DIAGRAM



5. Photo



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