



SOLAR HOME SYSTEM SPECIFICATION

EEMB ET-100

BRIEF SPECIFICATION

Model: EEMB ET-100
Solar panel power: 100W
Battery voltage: 12V
Battery capacity: 100Ah
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 100W solar home system of model EEMB ET-100.

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 | ESP100 | 1 |
| | Power | 100W | |
| | Working voltage | 17.4V | |
| | Working current | 5.48A | |
| Battery | Type | New technology | 1 |
| | | Traditional battery | |
| | LiFePO4 battery | Lead-acid battery | |
| System voltage | 12V | | |
| Capacity | 100Ah | | |
| Controller | System voltage | 12V | 1 |
| | Rated current | 10A | |
| 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 |

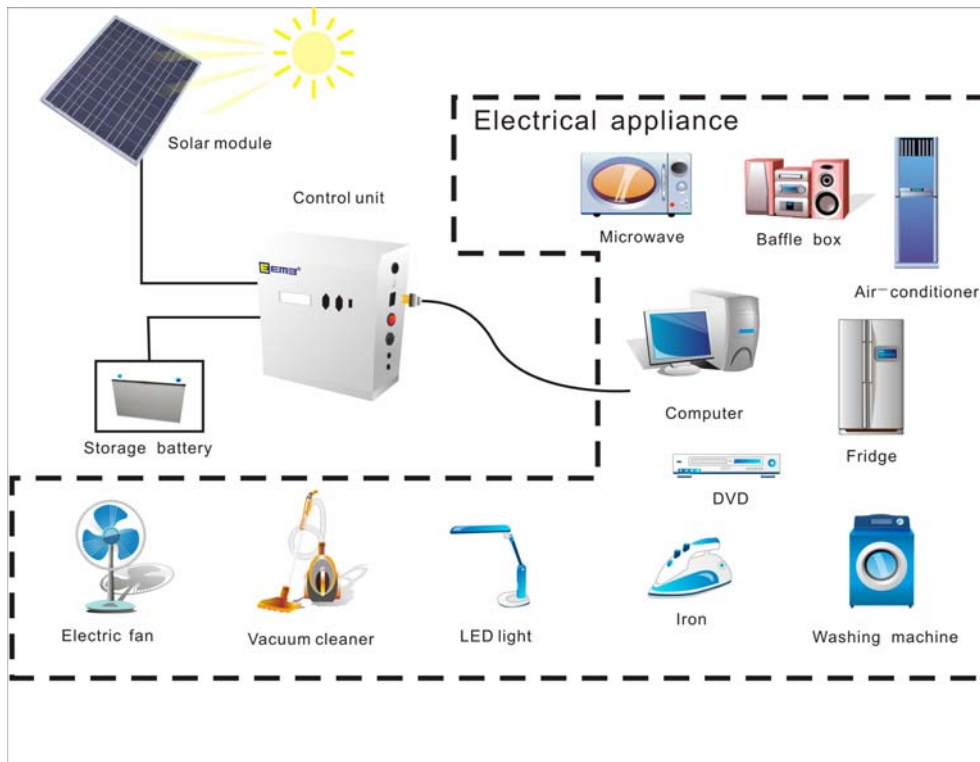
Note: The type of battery is alternative.

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 | 4 | 4 | 64Wh | 2 |
| Fan | 220V,50W | 50W | 1 | 3 | 150Wh | |
| TV | 21 inch | 40W | 1 | 4 | 160Wh | |
| Satellite TV set | 220V,25W | 25W | 1 | 4 | 100Wh | |
| Total | | 131W | | | 474Wh | |

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4. SCHEMATIC DIAGRAM



5. Photo



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