

Product Specification

Model: 51.2V 27Ah

Part No.: CUR800-B

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1. ELT800-B Product introduction



Note:

This 800W/1.3KWh Balcony Energy Storage System supports only on-grid use.

2. Specifications

No.	Item	Parameters
1	Model	CUR800-B
PV Input		
2	Input voltage range	10-60V DC
3	MPPT number	1
4	MPPT power	600W
5	Conversion efficiency	≥96%
AC Output		
6	Rated output power	800W
7	Max. output power	960W
8	Rated output voltage	220/230/240V AC
9	Output voltage range	190-270V AC
10	Rated output current	3.6A
11	Rated frequency	50/60Hz
12	Max. conversion efficiency	96.50%

No.	Item	Parameters
Battery		
13	Nominal Voltage	51.2V
14	Rated Capacity	27Ah
15	Nominal Energy	1.382KWh
16	Battery Type	LiFePO4
17	Cycle Life	≥6000 times [Standard discharge(0.2 C ₅) after standard charge(0.2 C ₅)]
General		
18	Waterproof class	IP65
19	Cooling method	Natural cooling
20	Communication port	WIFI
21	On-grid certificate	EN61000-3-2, EN61000-3-3, EN62109-2, EN55032, EN55035, EN50438
22	Operation Temperature Range	-20~65°C
23	Dimensions	500*390*170mm (excluding terminals, carrying handle)
24	Weight	30kg

3. Product Structure Design

Product appearance (for reference only)



4. Transportation, storage, maintenance and maintenance

1. According to the characteristics of the battery, the lithium-ion battery pack should meet its storage environmental conditions during storage and transportation to maximize the protection of electricity Pool .
2. During the storage and transportation of lithium-ion batteries, there should be appropriate protection to maintain the SOC level of 50%-80% to ensure that there is no short circuit. And liquids will not enter the housing so that the battery pack is soaked in liquid (such as water, oil, etc.).
3. The battery should be stored in a state of incomplete charge. In transit or storage period due to self-discharge will lose part of the capacity, so that Please refill the electricity before use.
4. The battery should be stored in a state of incomplete charge. In transit or storage period due to self-discharge will lose part of the capacity, so that Please refill the electricity before use.
5. The ambient temperature of the battery is $25^{\circ}\text{C} \pm 2^{\circ}\text{C}$, and the relative humidity is 25%-60% (Note: it should be required at normal temperature, such as the temperature of -5°C in the north, Southern temperature 10°C can not be stored as required).
6. Open the box once a month to check the battery pack to see if there is battery leakage. If you smell pungent electrolyte smell, notify the specialist .The industry personnel should conduct timely investigation and replace the leaking battery.
7. It is prohibited to disassemble our battery products without permission.

5. Warnings

- * Do not immerse the battery into water or seawater.
- * Do not use, leave or charge the battery near a heat source such as fire or heater.
- * Do not inversely connect positive and negative polar.
- * Do not put the battery in fire or heat the battery.
- * Do not short-circuit the battery with wires or other metals.
- * Do not pierce the shell with nails or other sharp objects. Do not hammer or tread the pack.
- * Do not disassemble the battery pack without permission.
- * Do not put the battery pack in microwave oven or pressure vessels.
- * Do not use the battery in extremely thermal environment, such as direct light or cars in hot day. Otherwise, the battery will overheats and the performance and life of battery will be influenced.

- * If the battery leaks or smells, move it away from open fire.
- * The battery should be used after fully charged in the first use.
- * If the battery pack smells, fevers, out of shape, color changes or any other abnormal phenomena happen when the battery is being charged or used, please take it out of the charger or electrical equipment.
- * If the battery leaks and the electrolyte contacts eye, do not rub eye. Instead, rinse eye with clean water, and seek medical attention immediately.
- * Temperature will influence discharge capacity, if the temperature exceeds standard environment temperature($25\pm 5^{\circ}\text{C}$), discharge capacity will reduce.

