

Advice on choosing suitable generators for families

Generator is a product that is no longer strange to consumers. Especially in the hot summer days, the power used to overload the power, often losing power suddenly, a generator is even more necessary. Choose to buy a generator for the family to note what? Don't miss the important criteria below!

Sudden power outages cause all activities to be stalled, affecting work and life. Especially in the hot weather of the summer, an electric generator that helps maintain the operation of appliances in the home is extremely necessary. If you are planning to buy your family a mini generator, keep in mind the important things below.



Notes when choosing to buy generators for families

1. Choose a generator that suits your needs

Understanding the needs and purpose of the family will help you easily choose a more suitable generator. Especially in the summer, the weather is hot and the demand for generators is even bigger. For different purposes, the selection of the transmitter is also different.

Household generators are mainly used for lighting, running devices with voltages of about 220V such as: television, washing machine, refrigerator, air conditioner or fan . So, one Moderate generators with a capacity of about 1 - 4kW are relatively stable.

>>> See also: "Precautions for using generators"

2. Stylish, ergonomic design

A product with a compact and convenient design is something that one of us wants. Most current generation generators have relatively convenient design. Besides handles designed on both sides to help you easily grasp, firm base, golden sesame, the wheel system below also supports you to easily move to many different positions.



3. Generator parameters

When choosing to buy a generator you need to pay attention to its parameters. Power, fuel tank capacity, weight, power consumption, and operating noise are important parameters to keep in mind when choosing to buy a home generator.

As follows:

With capacity: normally the actual capacity of the generator will be about 10-25% lower than the capacity stated on the package. Because the operating capacity will determine the cost of the product as well as the amount of fuel to consume. Therefore, to accurately calculate the operating capacity, you should first list all the electrical devices present in the family, which will make it easier to shape.

After listing all electrical devices present in the household, it starts to convert from the real power (kW) to the apparent power (kVA).

The relationship between kVA and kW is: $kW = kVA \times \cos(\theta)$

For each load device there will be a power factor $\cos \theta$ respectively:

1. Fluorescent lamps, computers: 0.4
2. Motor, air conditioner, refrigerator, chiller: 0.8

3. Resistance or filament lamp: 1.0

For new generators 100%, after calculating the apparent capacity, you must multiply the safety factor 1.1, while with the old machine, multiply the safety factor from 1.1-1.25.

For example: If you calculate the rated load capacity of about 150KVA, it means that the required generating capacity is $150\text{KVA} \times 1.1 = 165\text{KVA}$, and the used old machine is $150\text{KVA} \times 1.1 - 1.25 = 150\text{KVA} - 187.5\text{KVA}$.

Fuel tank capacity: is the place to store the fuel through which the engine operates.

Noise level: together with operating capacity, noise level is also equally important. Especially for families with children and the elderly, it is recommended to choose those with low noise level below 70dB.



4. Cost of generator

In addition to the industrial generators that cost a few hundred million dong, the current family generators also have a selling price of more than 1 million - 20 million dong each. But with the need to use the basic for the family, you just need to choose the products with selling price fluctuating around 10 million VND is appropriate.

Where to buy cheap electric generators?

When buying a generator, you should pay attention to the brand and choose to buy products at reputable addresses to ensure quality and safety during use. In addition, you should also care about the warranty of the product. Quantrimang would like to advise you of a number of reputable, low-cost sales locations that you can trust to choose:

Hanoi: No. 56, Pho Duy Tan, Dich Vong Hau, Cau Giay - Hotline: (024) 3785 5633.

Ho Chi Minh City: 716 - 718 Dien Bien Phu, Ward 10, District 10 - Hotline: (028) 3830 8569.

Hopefully, the above information will help you choose a generator suitable for your family. Please regularly follow our website to read more useful articles!

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