Kilowatt hour vs per

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To put it simply, a kilowatt is a measure of power and a kilowatt-hour is a measure of energy; power is the rate at which something uses energy, and energy is the capacity to do work. On your energy bill, the kWh measures the amount of energy that an appliance or device needs to run for one hour.

What exactly is a kilowatt hour or kWh? A kilowatt hour (kWh) is a measure of how much energy you"re using. Despite the name, it doesn"t mean the number of kilowatts you"re using per hour. It"s a unit of measurement. 1 kilowatt hour is the amount of energy you"d use if you kept a 1,000 watt appliance running for an hour.

2.5 kW x 2 hours = 5 kWh per day; Estimate a month"s dryer usage 5 kWh x 30 days = 150 kWh per month; Now multiply the kWh per month by your energy rate, which you can find on your bill. The result is an approximation of how much it costs to power your clothes dryer in an average month.

A kilowatt is a unit of power (rate of flow of energy per unit of time). A kilowatt-hour is a unit of energy. Kilowatt per hour would be a rate of change of power flow with time. Work is the amount of energy transferred to a system; power is the rate of delivery of energy. Energy is measured in joules, or watt-seconds.

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Although a kilowatt-hour (kWh) and a kilowatt (kW) are related units of measurement, they serve two very different purposes. Ultimately, understanding the difference between kWh and kW can help you better monitor your electricity bill. With this guide, we"ll start by looking at kWh vs. kW definitions, and then move on to how they may show up on your energy bill.

It"s easy to get kilowatt (kW) and kilowatt-hours (kWh) mixed up when talking about energy consumption. The main difference between kWh and kW is in what they measure. To put it simply, a kilowatt is a measure of power and a kilowatt-hour is a measure of energy; power is the rate at which something uses energy, and

energy is the capacity to do work.

On your energy bill, the kWh measures the amount of energy that an appliance or device needs to run for one hour. Let"s break the definitions down a little further:

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