

1kWh energy storage device





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1 kWh= _____ J.

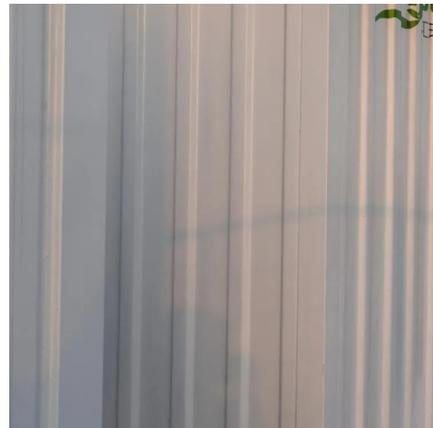
An electric heater is rated 2200 VA, 220V. If the heater is operated for 1 hour, calculate the energy consumed: (i) in kWh (ii) in J

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[Derive the relation between kilowatt hour and joule.](#)

Answer: $1 \text{ kWh} = 3.6 \times 10^6 \text{ J}$
Explanation: We know, $1 \text{ KW} = 1000 \text{ W}$
 $1 \text{ hr} = 60 \times 60$ seconds
Therefore, $1 \text{ kWh} = 1000 \text{ Watt} \times (60 \times 60)$ seconds
 $1 \text{ kWh} = 10^3 \text{ W} \times 3600 \text{ s}$
 $1 \text{ kWh} = \dots$

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[a washing machine connected to a 220v generator draws a](#)

a washing machine connected to a 220v generator draws a current of 10 A . Then what is the power of the washing machine? If it is used for 6 hours in a day - 61789720

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1 kwh is equal to how many units

Answer: 1 unit
Explanation: One kilowatt-hour (kWh) is equal to one unit of electricity. So, $1 \text{ kWh} = 1 \text{ unit}$. In most countries, electricity consumption is measured and ...

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[1 kWh is equal to 3.6 times 10⁶ MJ 3.6 times 10⁵ MJ 3.6 ...](#)

In the video, they said that 1kwh is equal to 3.6×10^9 J But, in the question and answer, they said that $1 \text{ kwh} = 3.6 \times 10^6$ J. So, Please tell me which is correct?

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[Define 1 kWh. Give the relation between 1 kWh and Joule.](#)

Click here:point_up_2:to get an answer to your question :writing_hand:define 1 kwh give the relation between 1 kwh and joule

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