

1kWh battery plus inverter





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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, $1 \text{ kWh} = 1000 \text{ Watt} \times (60 \times 60) \text{ seconds}$ $1 \text{ kWh} = 10^3 \text{ W} \times 3600 \text{ s}$ $1 \text{ kWh} = \dots$

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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 3.6 times \$10^6 \text{ MJ}\$ 3.6 times \$10^5 \text{ MJ}\$ 3.6 ...](#)

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

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