

Electrical Power

- Electrical _____ is the rate at which electrical energy is _____ or consumed in a given time.
- Unit of measurement = _____
- The _____ the power rating value, or “wattage”, the more _____ a device produces (or uses to operate).
- Power (watts) =
- One watt is the equivalent of one joule per second (J/s)

Measuring Electrical Energy Usage

- Electrical energy is usually measured in _____. The use of one kilowatt of power for _____.
- A watt hour is _____ greater than a joule.
- A kilowatt hour is _____ greater than the watt hour
- 1 kilowatt hour runs a _____ for _____
- 10 kilowatt hours power 5 loads of _____.

Types of Electricity Meters

- _____ keep track of how much electrical energy is used in homes, schools, and businesses in units of kW·h.
- Older meters have a turning disc with a black band
- Newer meters called smart meters record electricity usage hour by hour and send the information directly to the utility company



