

## 6.4: Power

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**Def: Power** is the rate at which work is done over time.

Average power is defined:

$$P_{av} = \frac{\Delta W}{\Delta t}$$

Instantaneous power is defined

$$P = \frac{dW}{dt}$$

Power is measured in **watts** (W).

Power can also be defined  $P = \vec{F} \cdot \vec{v}$