

Energy Use Calculator

Review energy use in kWh before applying a utility rate or cost estimate.

Generated October 10, 2026

<https://www.elecatrix.com/power-energy-cost/energy-use-calculator/>

Inputs

Input	Value	Unit
Power per item	100	W
Quantity	6	items
Hours per day	8	h/day
Days	30	days

Results

Result	Value	Unit
Total connected power	600	W
Daily energy	4.8	kWh/day
Total energy	144	kWh
Average power over full day	0.2	kW

Calculation details

Detail	Value	Unit
Calculation basis	Energy is total watts divided by 1000, multiplied by daily runtime and days.	
Boundary	Energy estimate only; no demand charge, utility tariff, duty-cycle variability, power-factor billing, standby load, or final bill result is made by this calculator.	

Formulas

total watts = watts per item x quantity

daily energy kWh = total watts / 1000 x hours per day

total energy kWh = daily energy kWh x days

Warnings and limitations

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This is a simple energy-use estimate. Real use can change with duty cycle, controls, standby power, weather, occupant behavior, and measurement accuracy.