Watts vs kWh vs kW

Define the difference

Watts

are a measure of power of an electrical system calculated by multiplying volts times amps.

kW

is a measure of power and is defined as 1000 watts. kW rating is directly related to charging speed, i.e. the larger kW rating of a charger, means less time charging.

kWh

is equivalent to capacity or knowing how many gallons of fuel to fill up your tank.

Hair Dryer on High Heat
1,500 watts
1.5 kWh for 1 hour

Maytag® Dryer
2,100 watts
2.1 kWh for 1 hour

Average Standard Range Tesla
25,000 watts
25 kWh per 100 miles

Electric School Bus
210,000 watts
210 kWh per ~135 miles

READY TO MAKE THE SWITCH?

IC Bus is ready to support you every step of the way.

Contact a trusted advisor at icbus.com/electric