How Bloom Energy Servers® Create Electricity

Each Bloom Energy Server, with a footprint of a parking space, provides 200-250 kW of power to customers.

The Bloom Energy Server = 90,000 sq. ft. Office Building = OR 160 Average U.S. Homes

What’s in the Bloom Energy Server?

Fuel Cell 25 W → Stack 1 kW → Module 50 kW → Energy Server 200-250 kW → Solution 200 kW to MW’s

How Does the Bloom Energy Server Fuel Cell Work?

Fuel Passes Over the Anode → Oxygen Ions React with Fuel in Fuel Cell → Reaction Produces Electricity

Air Passes Over the Cathode

Fuel

Air

Anode

Electrolyte

Cathode