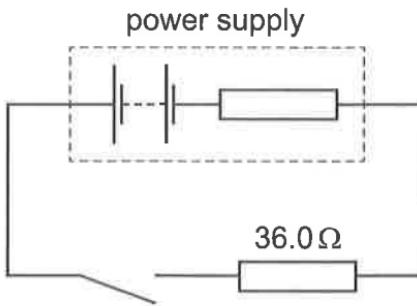


- 19 A power supply is connected in series with a  $36.0\Omega$  resistor and a switch.



The switch is closed. After 100 s it is opened. During this time, 1800 J of heat is generated in the resistor and 200 J of heat is generated in the internal resistance of the power supply.

What is the electromotive force of the power supply?

- A 2.8V      B 3.6V      C 25V      D 28V

