

22 A battery is connected in series with a resistor R . The battery moves 2000 C of charge completely round the circuit. During this process, 2500 J of energy is dissipated in the resistor R and 1500 J of energy is expended in the battery.

What is the e.m.f. of the battery?

A 2.00 V

B 1.25 V

C 0.75 V

D 0.50 V