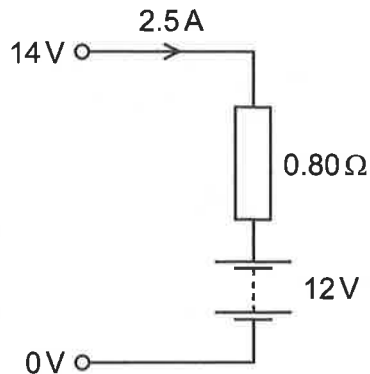


- 23** A 14V d.c. supply is used to charge a 12V car battery through a  $0.80\ \Omega$  resistor at an average current of 2.5A for six hours.



How much electrical energy is provided by the supply?

- A** 13kJ                      **B** 110kJ                      **C** 650kJ                      **D** 760kJ

- 24** A circuit contains a battery, two resistors X and Y, and a variable resistor.