

Started on Wednesday, 7 September 2016, 3:52 PM

State Finished

Completed on Wednesday, 7 September 2016, 4:23 PM

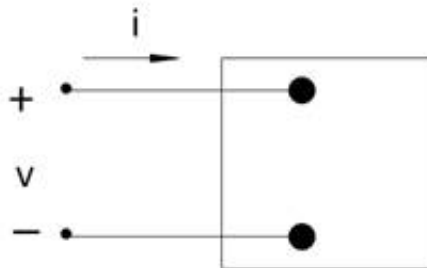
Time taken 31 mins 5 secs

Grade 100.00 out of 100.00

Question 1

Correct

Mark 100.00 out of 100.00



Quiz 1b

Given: $v = -200$ Volts $i = -10.5$ Amps

a) Find the power absorbed by or delivered by the circuit element (inside the box).

$P =$ ✓ kW (kilo W)

b) Find the total energy absorbed by or delivered by the circuit element in 3.25 seconds.

$w_{\text{total}} =$ ✓ kJ (kilo Joules)

Remember that “+” = absorbing and “-” = delivering.

Numeric Answer

a) $P = 2,100 \text{ W} = 2.1 \text{ kW}$

b) $w_{\text{total}} = 6,825 \text{ J} = 6.825 \text{ kJ}$