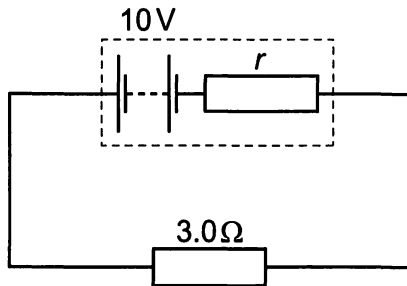


- 21** A 10 V battery is connected to a $3.0\ \Omega$ resistor. The battery has an internal resistance r and the power dissipated in the $3.0\ \Omega$ resistor is 12 W.



What is the value of the internal resistance r ?

- A** $0.060\ \Omega$ **B** $0.50\ \Omega$ **C** $2.0\ \Omega$ **D** $4.3\ \Omega$