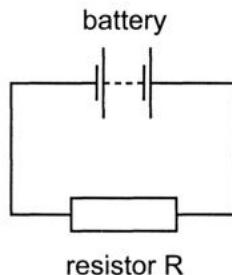


26 The diagram shows a battery connected in series with a resistor R.



The current in the circuit is  $I$ . Power  $P$  is dissipated in the resistor R. Power  $p$  is dissipated in the battery itself.

What is the electromotive force (e.m.f.) of the battery?

A  $\frac{P}{I}$

B  $\frac{P+p}{I}$

C  $\frac{P}{I^2}$

D  $\frac{P+p}{I^2}$