

- 2** The energy E stored in a certain electronic component is given by

$$E = \frac{Q^n}{2k}$$

where Q is the total charge in the component, n is an unknown integer and k is a physical quantity with SI base units $A^2 s^4 kg^{-1} m^{-2}$.

What is the value of n ?

- A** -2 **B** -1 **C** 1 **D** 2