

- 1.7 Determine the number of coulombs of charge produced by a 12-A battery charger in an hour.

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**SOLUTION:**

$$I = 12\text{ A} , \Delta t = 1\text{ hr} = 60\text{ min}$$

$$\Delta t = 3600\text{ s}$$

$$Q = I\Delta t = 12(3600)$$

$$Q = 43.2\text{ kC}$$