

$$\boxed{\begin{array}{c} \textit{electrical energy} \\ \textit{input at} \\ \textit{device terminals} \end{array}} = \boxed{\begin{array}{c} \textit{energy} \\ \textit{dissipated} \\ \textit{by device} \end{array}} + \boxed{\begin{array}{c} \textit{energy} \\ \textit{stored in} \\ \textit{magnetic field} \end{array}} + \boxed{\begin{array}{c} \textit{mechanical} \\ \textit{energy} \\ \textit{output} \end{array}}$$