

ΕΝΔΕΙΚΤΙΚΕΣ ΑΠΑΝΤΗΣΕΙΣ

Θέμα 4^ο

$$4.1 \quad \eta = \frac{P_{\omega\phi}}{P_{\pi\rho}} \Rightarrow P_{\pi\rho} = \frac{P_{\omega\phi}}{\eta} \Rightarrow P_{\pi\rho} = \frac{4000W}{0,8} \Rightarrow P_{\pi\rho} = 5000W$$

$$4.2 \quad P_{\pi\rho} = U \cdot I \Rightarrow I = \frac{P_{\pi\rho}}{U} \Rightarrow I = \frac{5000W}{250V} \Rightarrow I = 20A$$

$$4.3 \quad E = P \cdot t \Rightarrow E = 5000W \cdot 4h \Rightarrow E = 5kW \cdot 4h \Rightarrow E = 20KWh$$

$$4.4 \quad \text{κόστος} = 20KWh \cdot \frac{0,2\epsilon}{KWh} \Rightarrow \text{κόστος} = 4\epsilon$$