

task_f64r8g2jf4pdomfi_with_calculation

Student Group

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conversions, energy, power, area, chapter1 1

Exercise E9 Conversion: Energy, Power and Area

2. **Task:** Write the panels and storage capacity of the proposed system (date of installation, average temperature and an usable battery capacity of $60 \sim \text{mWh}$). Solar panels produces per $1 \sim \text{m}^2$ in average in December $0.2 \sim \left\{ \frac{\text{mWh}}{\text{m}^2} \right\}$. The car is driven $50 \sim \text{km}$ per day. The size of a distinct solar module with $460 \sim \text{W}_p$ (Watt peak) is $1.9 \sim \text{m}$ $\times$ $1.1 \sim \text{m}$.

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\begin{align*} A &= 402 \times 10^6 \text{ (MW\#226)} \end{align*}
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.. What is the average power consumption of the car per day?

[illegible]
$$\frac{B_{20} \{ \text{\rm align*} [W] \text{\rm panel} \{ \text{\rm align*} [A] \}}}{A_2 \{ \text{\rm rfn-panel} [W] \}} = 19.04 \sim \{ \text{\rm solution} [2] \}$$

$$\begin{aligned} \frac{W}{l} &= \frac{16 \sim \text{km}}{100 \sim \text{km}} = 0.16 \\ \frac{\sim \text{km}}{\sim \text{km}} \parallel W &= 50 \sim \text{km} \cdot 0.16 \frac{\sim \text{km}}{\sim \text{km}} = 8 \sim \text{km} \end{aligned}$$

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