

Corrections

Chapter 1:

- Page 4, Equation (1.6):
instead of “1 J (Joule) = 1 Ws = 1 Nm = 1 kg · m/s²”
it has to be: “1 J (Joule) = 1 Ws = 1 Nm = 1 kg · m²/s²”

Chapter 4:

- Page 82, Equation (4.26):
instead of “= 0.4 ... 0,5 %/K” it has to be: “= -(0.4 ... 0,5 %)/K”
- Page 86, Figure 4.14(b):
Instead of “ I_p ” it has to be: “ I_{sh} ”
- Page 89, above Equation (4.36):
instead of “the current I_D can be ignored compared to I_{sh} .”
it has to be: “the current I_{sh} can be ignored compared to I_D .”

Chapter 5:

- Page 103, Formula:
Instead of “ $Si + 3HCl \rightarrow SiHCl_3 + Si + H_2$ ” it has to be “ $Si + 3HCl \rightarrow SiHCl_3 + H_2$ ”
- Page 135, Last sentence on page:
instead of “23.3 %” it has to be: “25.3 %”

Chapter 7:

- Page 173, Equation (7.18):
instead of

$$a_{\text{Self-sufficiency}} = \frac{W_{\text{Consumption_PV}}}{W_{\text{Consumption}}}$$

it has to be:

$$a_{\text{Self-sufficiency}} = \frac{W_{\text{Consumption_PV}}}{W_{\text{Consumption}}} = \frac{W_{\text{Consumption_PV}}}{W_{\text{Consumption_PV}} + W_{\text{Taken}}}$$

Chapter 8:

- Page 198, Figure 8.1 (b):
instead of “DC-DC converter” it has to be: “Inverter”

Chapter 10:

- Page 285, Theoretical Potential:
instead of
“With a surface area of the Federal Republic of Germany of 357 000 km² we obtain a theoretical potential of

375 10¹² kW h. This corresponds to about 100 times the overall primary energy requirement of the country!”
it has to be:

“With a surface area of the Federal Republic of Germany of 357 000 km² we obtain a theoretical potential of 357 10¹² kW h. This corresponds to almost 100 times the overall primary energy requirement of the country!”