

# Off-Grid Electrical Systems in Developing Countries

## Errata

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Date 5.09.2019

### Chapter 1

Page 7, equation 1.3 and following sentence, “Power” should be lowercase as in  $p = \frac{dE}{dt}$

Page 12, Example 1.3, the electricity consumption data correspond to the year 2014, not 2012.

### Chapter 5

Page 109, the units of power are watts

Page 119, Section 5.3.2, should be “air-fuel mixture”, not “air-gas mixture”

### Chapter 8

Page 220, equation 8.9, “(s)” should be inserted after  $2\text{PbSO}_4$

Page 251, Figure 8.20: x-axis units should be “Depth-of-Discharge,  $DoD$  (%)”

### Chapter 7

Page 187, footnote, should read “photoelectric effect”, not “photoelectric”

Page 188, equation 7.2, should be

$$V_T = \frac{nkT}{q}$$

Page 208 (Problem 7.1) solution should be  $T_c = 62.25^\circ \text{C}$ , 9.63 A, 42.31V, maximum power 300.46 W, 4.745 A (no change), 214.3 W

### Chapter 12

Page 400, Table 12.3, the actual output frequency should be “50 Hz”, not “250 Hz”

Page 400, “ $2.33/0.85 = 2.74 \text{ kVA}$ ”, not “ $2.33/0.85=3.74 \text{ kVA}$ ”

Page 405, Fig. 12.5, the capacity of the battery considered should be  $C_{11}$  not  $C_{20}$

Page 410, equation 12.17:

$$\text{Number of Modules} = \frac{P_{PV, \text{rated}}}{\text{Module Rating}}$$