

Correction

Correction: Lee et al. Optimal Operation Scheduling Considering Cycle Aging of Battery Energy Storage Systems on Stochastic Unit Commitments in Microgrids. *Energies* 2021, 14, 470

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In the original publication [1], References [2–5] were not cited, and proper credit was not given for the Algorithm steps in Section 3.2.1 (Reference [5]). The correct citation has now been inserted into Section 3, BESS Modeling, Section 3.2.1, Rainflow-Counting Algorithm, Paragraph 1, and should read as follows:

3.2.1. Rainflow-Counting Algorithm

The rainflow-counting algorithm is applied for the stress analysis of materials in order to calculate the cumulative effect through cycle counting [35,36]. Here, this algorithm was adopted to assess the battery's life cycle in the SUC problem of an MG. Figure 2 depicts the DOD provided by the rainflow-counting algorithm [37]. As an example, an SOC profile with local extremes ω_n is shown in Figure 2a. According to the rainflow-counting algorithm, the DOD can be calculated (as shown in Figure 2b) using the following sequence:

1. The procedure starts from ω_0 and involves the calculation of $\Delta\omega_1 = |\omega_0 - \omega_1|$, $\Delta\omega_2 = |\omega_1 - \omega_2|$, and $\Delta\omega_3 = |\omega_2 - \omega_3|$;
2. If $\Delta\omega_2 \leq \Delta\omega_1$ and $\Delta\omega_2 \leq \Delta\omega_3$, a full cycle of depth $\Delta\omega_2$ is confirmed. Thereafter, ω_1 and ω_2 are removed from the profile, and step (2) is repeated using points $\omega_0, \omega_3, \omega_4, \omega_5 \dots$;
3. If a cycle is not confirmed, the confirmation is shifted forward, and step (2) is repeated using points $\omega_1, \omega_2, \omega_3, \omega_4 \dots$;
4. The confirmation is repeated until no more full cycles can be confirmed throughout the remaining profile.

Additionally, the citation for References [2,3] have now been inserted into Section 1.2, Literature Review, Paragraph 2. The citation for Reference [4] was inserted into Section 3.2.1, Rainflow-Counting Algorithm, Paragraph 1. An additional citation for Reference [5] was included in Section 3.2.2, LCC, Paragraph 1.

Due to adding new References, the numeration of References with respect to the original publication has been modified. References [2–5] will appear in the document as References [14,18,36,37] respectively. The authors apologize for any inconvenience caused and state that the scientific conclusions are unaffected. The original publication has also been updated.



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