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Corrigendum: Optimal sizing of photovoltaic-battery system for peak demand reduction using statistical models

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KEYWORDS

photovoltaic-battery system, peak demand reduction, time series clustering, statistical analysis, Monte Carlo simulation

A Corrigendum on

Optimal sizing of photovoltaic-battery system for peak demand reduction using statistical models

by Nematirad R, Pahwa A, Natarajan B and Wu H (2023). Front. Energy Res. 11:1297356. doi: 10.3389/fenrg.2023.1297356

In the published article, there was an error in Table 1 as published. The top row is not header for the columns. It includes quantities whose values appear in the next row. Also, the value in the first column of second row should be 0.35 instead of 0.035. The corrected Table 1 and its caption appear below.

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

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TABLE 1 Quantity values used in this study.

TABLE I Guanary values used in this study.		
PV module (\$/W)	Inverter (\$/W)	Equipment (\$/W)
0.35	0.04	0.18
Overhead (\$/W)	O&M (\$/kW)	Transformer (\$)
0.1	15	150,000
Energy cost (\$/kWh)	Power cost (\$/kW)	Tax credit (%)
0.025	22	30
Initial battery (\$/kWh)	Replacement battery (\$/kWh)	Project lifetime
150	100	20 years
Labor (\$/W)	Discount rate	Battery roundtrip efficiency
0.1	0.08	0.9025
Inverter coefficient	Battery efficiency	Battery utilization
1.2	0.95	0.7
Inverter efficiency		
0.9		