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## Reliability Assessment of DC-DC Converters for Photovoltaic Applications

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Deadline for manuscript  
submissions:

**closed (10 August 2020)**

### Message from the Guest Editor

DC-DC converters are becoming increasingly important in photovoltaic (PV) applications. The advantages of this type of inverter lie in the possibility to do per-module max power point tracking (MPPT) and make PV systems more shade tolerant. This increases the energy output but also improves PV module reliability. Additionally, combinations with local storage give opportunities to DC-DC converters, lowering the inverters' power and enabling the spread of energy injection to the grid. Possibilities of PV integration in electric vehicles also require DC-DC conversion. All these applications would benefit from better lifetimes and better lifetime predictions or comparisons. In this Special Issue we are aiming for articles that publish results on cases that validate reliability models and these models themselves at the component or system level for DC-DC conversion in photovoltaic applications.



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## Message from the Editor-in-Chief

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