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Discussion
Summary of the analysis
 Configuration 1 – Converter-less topology It is able to able to extract a 75% of the nominal power of the PV panels. However, losses are relatively high. Reduced initial investment cost Configuration 2– Converters connected to the PV panels output It can maximize the power extraction from the PV panels. Losses are also relatively high. 'Moderate' investment cost Configuration 3 – Converter at the output of the battery It operates the PV panels close to the MPP while reducing importantly the system losses. 'Moderate' increase of the initial investment cost Configuration 4 - Converters connected to the PV panels and battery It is the most efficient one, maximizing the PV production and reducing the system losses. Important increase of the initial investment cost
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