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(57) Abstract :
The present invention refers to a system and method using an LSTM neural network to predict total EV fast-charging power demand. A virtual sensor is used in the field of electromobility to calculate the amount of energy an electric vehicle (EV) needs to go a specific distance, given the EV's consumption and the kilometers between the starting point and destination. By knowing the present state of charge, the desired state of charge, the nominal power of the battery and the charging station, and the applied energy tariff, it can also anticipate the cost and time of the battery charge session.

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