

Accepted Manuscript

Sparsity-Promoting Distributed Charging Control for Plug-In Electric Vehicles over Distribution Networks

Jueyou Li, Chaojie Li, Zhiyou Wu, Xiangyu Wang, Kok Lay Teo, Changzhi Wu

PII: S0307-904X(17)30651-0
DOI: [10.1016/j.apm.2017.10.034](https://doi.org/10.1016/j.apm.2017.10.034)
Reference: APM 12035

To appear in: *Applied Mathematical Modelling*

Received date: 27 November 2016
Revised date: 17 October 2017
Accepted date: 24 October 2017

Please cite this article as: Jueyou Li, Chaojie Li, Zhiyou Wu, Xiangyu Wang, Kok Lay Teo, Changzhi Wu, Sparsity-Promoting Distributed Charging Control for Plug-In Electric Vehicles over Distribution Networks, *Applied Mathematical Modelling* (2017), doi: [10.1016/j.apm.2017.10.034](https://doi.org/10.1016/j.apm.2017.10.034)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Highlights

- A sparsity-promoting model for coordinated charging plug-in electric vehicles is proposed to improve customer satisfaction.
- Dynamic feeder overload constraints are imposed to ensure the stability of power network.
- A fully distributed algorithm is proposed to solve the model.
- Global convergence of the proposed algorithm is established.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/8051717>

Download Persian Version:

<https://daneshyari.com/article/8051717>

[Daneshyari.com](https://daneshyari.com)