

Research on charging facility construction for Battery Electric Vehicles in China

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Abstract

First of all, this paper summarizes the current and future trend of electric vehicle development in China which is currently dominated by vehicles for public purposes such as public transportation vehicles (buses), Environmental sanitation vehicles, post vehicles and the future dominance which are private owned passenger cars. Secondly, this paper introduces different categories of charging technology and analyses the construction pattern of electric vehicle charging facilities for large-scale usage of two categories of electric vehicle (public and passenger cars) above mentioned in accordance with their unique practical features respectively. Finally, this paper introduces the latest development of electric vehicle charging facilities in China

KEYWORDS: Battery electric vehicle; charging facility; construction pattern;