

[ABSTRACT]

ELECTRICAL CHARGING/DISCHARGING CONTROLLER, CHARGING
CONTROL METHOD, DISCHARGING CONTROL METHOD, AND PROGRAM

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A peak cut power calculation unit (154) calculates peak cut power transmittable to an overhead wire (200) as power exhibiting monotonic non-increase with respect to a resistance value of the overhead wire (200) between a vehicle (100) and a substation. In addition, a peak cut unit (156) controls electrical charging/discharging of a rechargeable
10 battery (140) with power of a difference between load power and transmission peak cut power when the load power is equal to or more than the peak cut power.

FIGURE 1