عنوان فارسی مقاله:
برنامه ریزی مکان و رتبه بندی توزیع ذخیره سازی انرژی در شبکه های فشار ضعیف (LV) با استفاده از الگوریتم زنتیکی با شیبه سازی بازپخت

عنوان انگلیسی مقاله:
Planning the location and rating of distributed energy storage in LV networks using a genetic algorithm with simulated annealing
5. Conclusions

This paper presents a heuristic planning tool for locating distributed electrical energy storage in LV networks. Below a particular penetration of PV, distributed storage is shown to offer a lower capital cost method of resolving a voltage rise problem when compared with network reconductoring. Single phase storage at customer premises provides solutions that require overall lower power and energy ratings than three phase storage located on the street. Locating storage in homes can offer benefits to customers by storing self-generated energy and reducing the consumer bill, owing to the structure of the Feed-in-Tariff. This provides additional revenue to offset the cost storage.