

Slovakia peak shaving

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In this contribution, we focus on technical and economic aspects of using hybrid storage in microgrids for peak shaving. We perform feasibility analysis of hybrid storage consisting of conventional supercapacitors and chemical batteries. We use multiple real-life consumption profiles from various industry-oriented microgrids. The primary purpose is to construct digital twin model for reserved capacity simulation and prediction. The main objective is to find the equilibrium between technical innovations, acquisition costs, and energy cost savings.

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Policies and ethics

Energetick? slu?ba Peak Shaving pokryje va?e zv??en? n?roky na energetick? odb?r b?hem ?tvrdinov?ho maxima (T15). Tato slu?ba je v?hodn? pro st?edn? a velk? provozy.

Na z?klad? va?eho energetick?ho odb?ru v?m navrheme nejlep?? technick? ?e?en? Peak Shaving, v?etn? v?b?ru nevhodn?j??ho typu za??zen? dle po?adovan?ho v?konu, k pokryt? v?chylek. Zajist?me dopravu a instalaci vybran?ho typu za??zen? na m?st?, v?etn? servisu a zaji?t?n? pohonn?ch hmot po celou dobu smluvn?ho vztahu.

Vykr?v?n? v?chylek Peak Shaving v?m umo?n? sn??it ro?n?/m?s??n? rezervovan? kapacity u va?eho distributora elektrick? energie. D?ky ni??mu pau??lu rezervovan? kapacity dlouhodob? u?et??te n?klady spojen? s p?ekro?en?m ?tvrdinov?ch maxim.



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