Two-way charging of solar energy storage cabinets for drone stations

In this article, a novel building-integrated photovoltaic (BIPV) structure is developed. The proposed system concentrates on wirelessly charging drones on the rooftop of the building and utilizing the ...

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In recent years, rapid progress has been observed in autonomous docking stations for drones. However, the existing systems are often dependent on external power supplies. To achieve ...

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The present invention provides a main body having a landing point for a flying drone to land, a power generation unit installed on the main body and generating electricity by an incident solar...

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In this paper, the research of the autonomous docking station powered by solar energy is presented. The configuration of the system prototype is described. The station is capable to operate ...

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