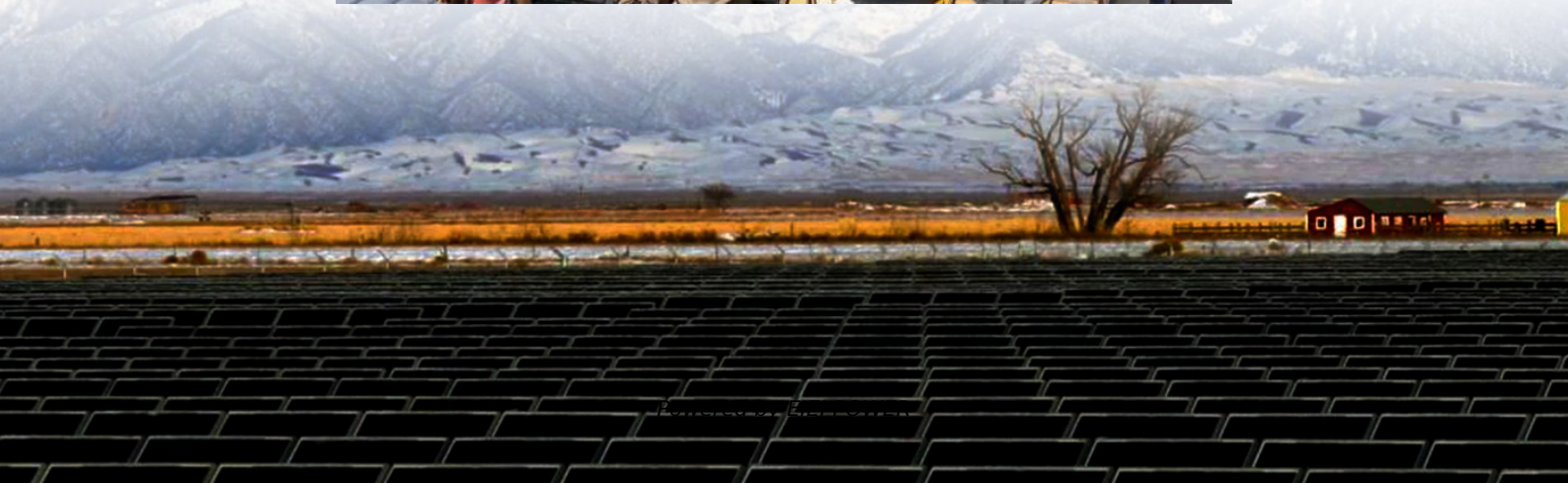


350kW Foldable Container for Unmanned Aerial Vehicle Stations





Overview

Do small unmanned aerial vehicles impact package delivery logistics?

Small unmanned aerial vehicles (UAVs) have gained significant interest in the last decade. More specifically these vehicles have the capacity to impact package delivery logistics in a disruptive way. This paper reviews research problems and state-of-the-art solutions that facilitate package delivery.

What is uncrewed aerial vehicle (UAV)?

Rapid innovation in Uncrewed Aerial Vehicle (UAV) capabilities enable the opportunity for novel drone applications. Specifically, the growing use of UAVs in sea.

Can a foldable wing unmanned aerial-underwater vehicle egress water?

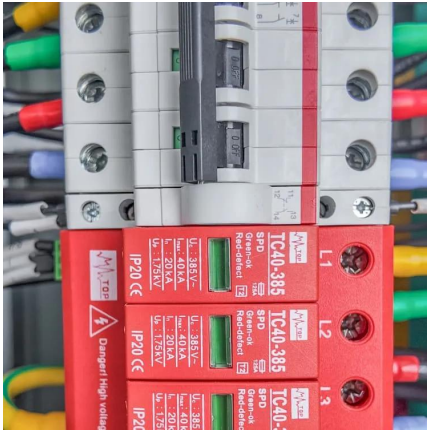
This paper presents the design and field test of a foldable wing unmanned aerial-underwater vehicle (UAUV). The vehicle can complete diving and air operations, and still have the ability of multiple trans-medium water egress and ingress under the condition of carrying mission load during a single flight.

How does a UAV transport a package?

Manipulation enables the UAV to move and safely grip the package. Safe transit incorporates obstacle avoidance and local path planning to ensure the safety of the vehicle midflight. Then finally delivery, which drops the package at the target location. UAV, unmanned aerial vehicle. [Color figure can be viewed at wileyonlinelibrary.com]



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