

120kW Foldable Container for Unmanned Aerial Vehicle Stations





Overview

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.

What is a foldable-wing aerial underwater vehicle?

To enable the vehicle to achieve high-speed flight in the air and high-speed navigation underwater while minimizing impact loads upon entering water and reducing resistance upon exiting, the foldable-wing aerial underwater vehicle combines the functionalities of fixed-wing unmanned aerial vehicles and underwater submersibles.

What is a uvh-500 heavy lift cargo drone?

UVH-500 Heavy lift cargo drone by UAVOS Inc. Cargo UAV platforms may be multirotor, unmanned helicopter or fixed-wing UAVs, and may have a range of carrying capacities ranging from a single parcel weighing less than a kilogram to significant payloads of several hundred kilograms.

What is a multi-medium unmanned vehicle?

Ravell et al. introduced a model for a multi-medium unmanned vehicle capable of seamless operation in air or underwater. This multi-medium system is treated as a hybrid system with continuous dynamics in both environments and discrete transitions during changes in medium density .



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