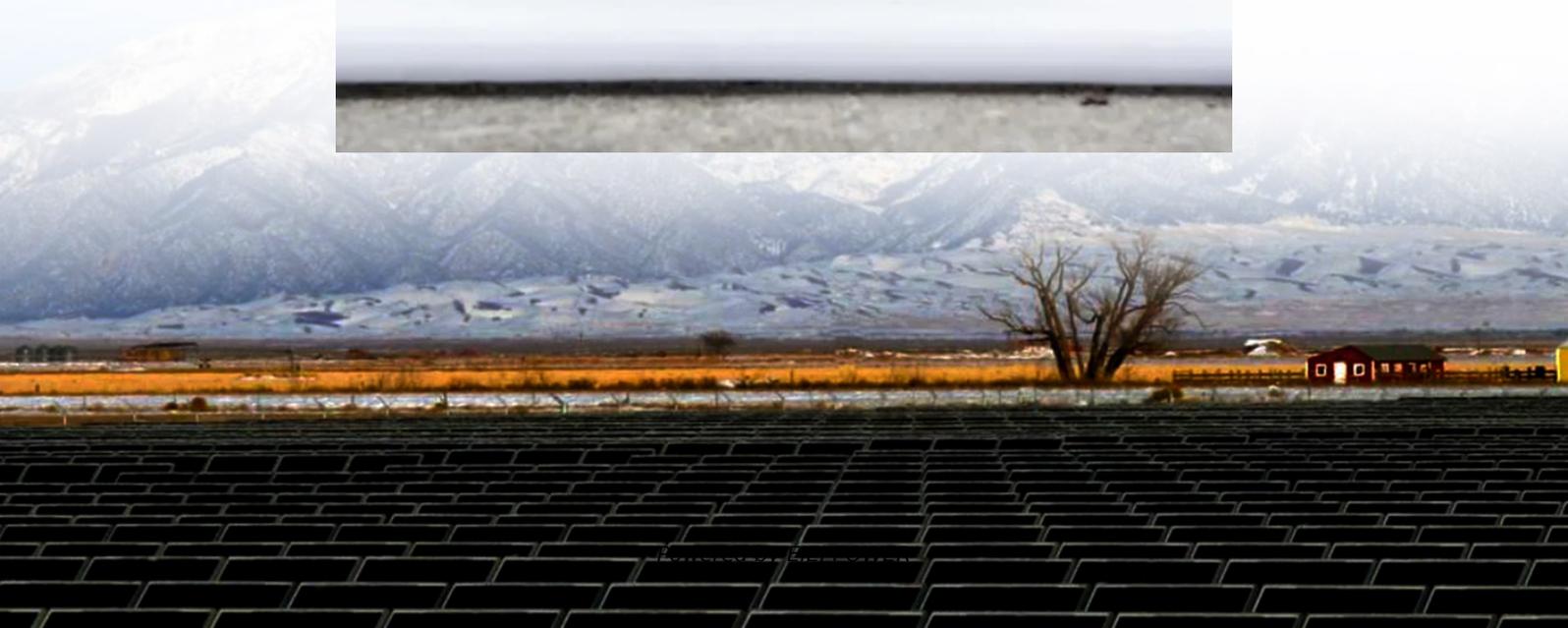


15kW Smart Photovoltaic Energy Storage Container for Aquaculture





Overview

Equipped with a robust 15kW hybrid inverter and 35kWh rack-mounted lithium-ion batteries, the system is seamlessly housed in an IP55-rated cabinet for enhanced protection against water and dust, ensuring reliable performance in various environments. How can photovoltaic modules help the aquaculture industry?

Through installing photovoltaic modules on the water's surface, the aquavoltaic industry can simultaneously generate clean energy while maintaining aquaculture operations underneath.

How can PV and aquaculture improve sustainability?

The integration of PV and aquaculture enhances sustainability across multiple dimensions, including energy self-sufficiency, water conservation, and land-use efficiency.

How much electricity does aquaculture use?

Of all the aspects of maintaining aquaculture, aeration, pumping, and lighting are the largest consumers of electricity, accounting for 57 %, 24 %, and 12 % of the total energy consumption in fisheries, respectively.

What are the benefits of AquaVoltaic systems?

Aquavoltaic systems that integrate renewable energy into aquaculture provide significant synergistic benefits. In the AV framework, rental income represents a low-risk and stable revenue stream for aquaculture farmers.



15kW Smart Photovoltaic Energy Storage Container for Aquaculture



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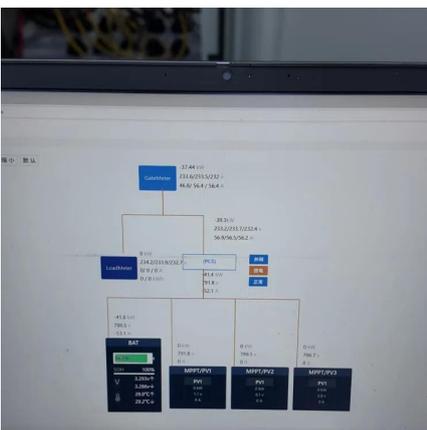
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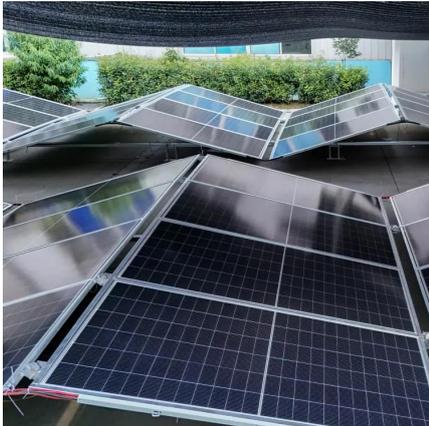
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