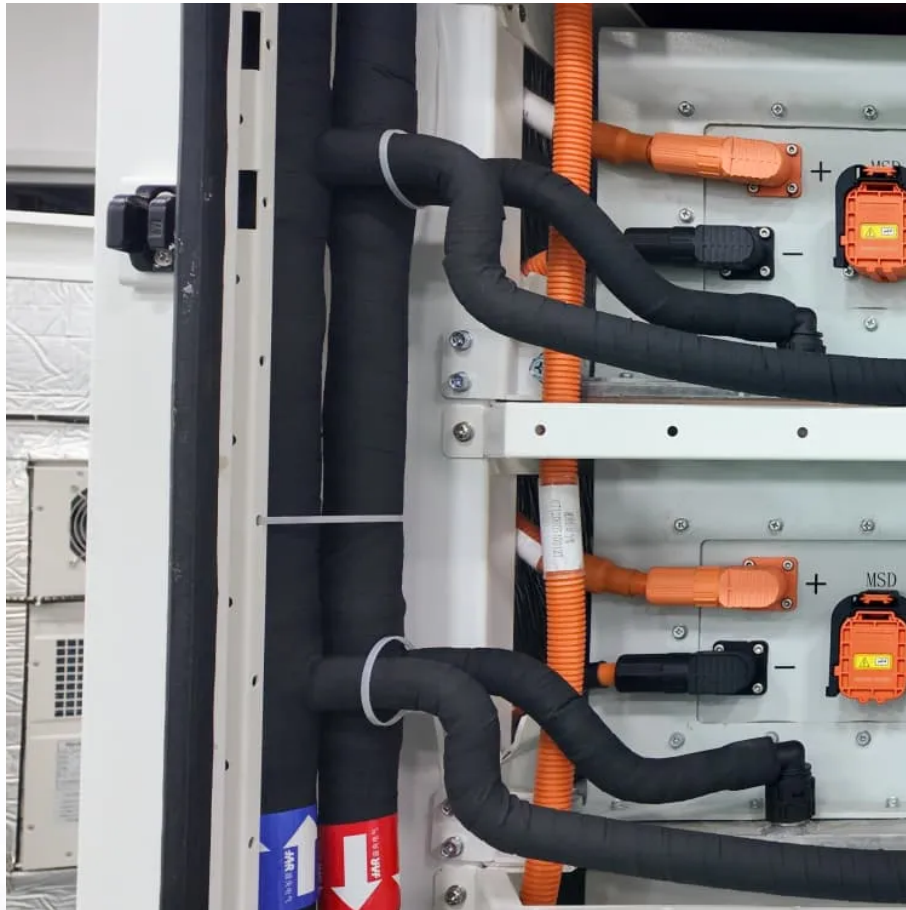


Tritium Solar Power System Price





Overview

How much does tritium cost?

Fusion energy startups like Commonwealth Fusion Systems require ~1-2 kg of tritium per demo reactor, yet annual production barely covers 0.1% of projected demand if commercial fusion scales by 2040. This mismatch has driven tritium prices to ****\$30,000–\$50,000 per gram****, incentivizing hoarding and speculative stockpiling.

What is the demand for tritium?

The demand for tritium is underpinned by its irreplaceable role in nuclear fusion energy research, defense applications, and specialized commercial industries. Nuclear fusion projects, particularly those focused on deuterium-tritium (D-T) reactions, represent the fastest-growing demand segment.

Can tritium be grown in a reactor?

A breakthrough in fusion: Tritium is now grown in a reactor! Astral Systems was the first private company to consistently produce tritium, the fuel needed for deuterium-tritium (D-T) fusion reactions, directly in its prototype reactor.

How much tritium is produced a year?

Tritium's limited global production capacity, estimated at ****~400 grams annually****, forces reliance on aging nuclear reactors and specialized tritium-producing facilities.



Tritium Solar Power System Price



Tritium (3H) Market

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Products: Wattage Tritium Batteries & Betavoltaic Batteries

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Adding more calculator solar cells around the circumference of the tritium tube should allow you to recover more of the energy being emitted with ...



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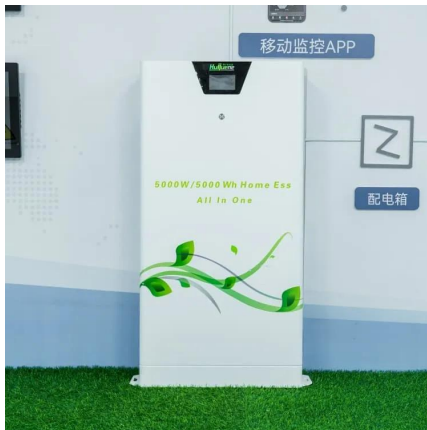
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Table 7 . Fusion Power Plant Tritium Plant Capital Costs

These FPP tritium plant capital cost estimates are listed in Table 7. Only the STARFIRE and Generomak estimates provide breakdowns for conceptual systems and subsystems.





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