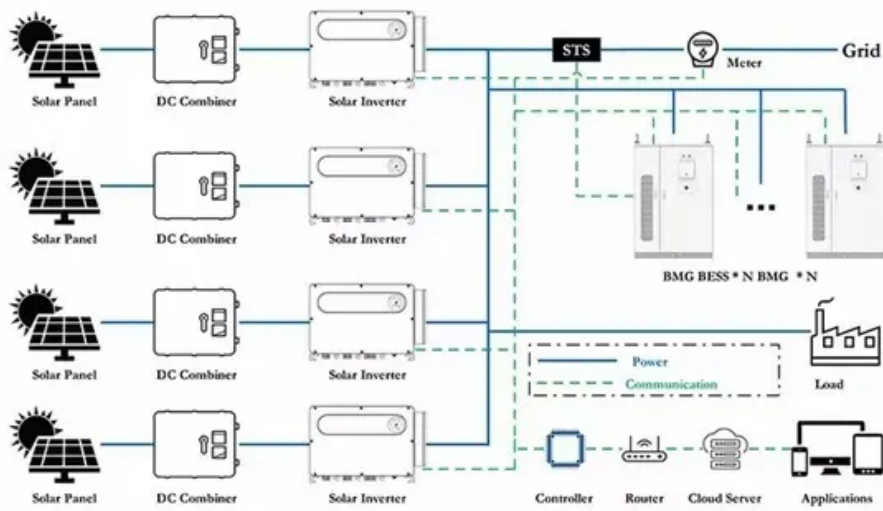


Solar fusion power station



Overview

This article explains what fusion energy is, its current state, and the pending obstacles that need to be overcome before we see fusion power plants connected to the grid. ARC™, the world's first grid-scale fusion power plant, will mark the start of the fusion age. Commonwealth Fusion Systems is on a mission to deliver the urgent transition to fusion energy, the power source of the sun and other stars, and ARC is how we'll do it. When the first ARC plant arrives in the U.S., the National Science Foundation invests in an array of projects and programs that advance fusion research and development, which are bringing society closer to conquering one of its biggest science and engineering challenges. This policy digest explores recent breakthroughs, the need for political support, and challenges in bringing fusion to market.

Solar fusion power station



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Most fusion startups are targeting the early to mid-2030s to switch on their first commercial fusion power plant.

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