

In today's dynamic energy landscape, harnessing sustainable power sources has become more critical than ever. Among the innovative solutions paving the way forward, solar energy ...

We implement a Car-bon Container prototype by extending Linux Containers to incorporate the mechanisms above and evaluate it using real workload traces and carbon-intensity data from multiple ...

The solar container can be used for short-term use at events, for longer use, for example over the summer months, or as a long-term solution. To cover the wide range of requirements, we make a ...

Abstract Carbon nanotube (CNT) heat absorbers were developed to enhance the direct solar heating of liquid tin as a heat-transfer fluid in ground solar receivers. To improve the thermal ...

In summary, a scalable bilayer composite combining carbon black deposited fabric and porous composite hydrogel was developed, whose fabrication process is green and efficient without ...

Container homes have revolutionized modern living by combining innovative design with sustainability, affordability, and practicality. These versatile structures transform repurposed shipping containers into ...

In high-temperature carbonization, the carbon and oxygen content burns, resulting in the evolution of gases and high carbon-containing residue (Fig. 3c). The residual material has a ...

The Dirty Secret of Global Shipping Did you know the solar container ship concept was first proposed in 2008--right when oil prices hit \$147/barrel? Yet here we are, 15 years later, still watching cargo ...

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