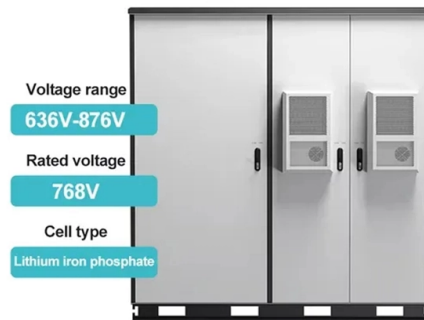


Energy Industry Chain Internet Integration



Overview

This paper explores the transformative potential of technologies such as the Internet of Things (IoT), Artificial Intelligence (AI), Blockchain, and Digital Twins in optimizing supply chain processes within the energy sector. The EU is promoting the availability of safe, secure, and sustainable digital energy services. Digitalisation has an impact across the energy value chain, from generation to transport, distribution, supply and consumption. A system-wide approach and EU countries' support to promote cooperation. This Special Issue presents a collection of 10 rigorously researched papers that delve into the opportunities and challenges within the energy industry's industry chain, supply chain, and value chain. Manufacturing and production businesses that deploy integrated digital technologies will be best placed to navigate today's complex. When it comes to decarbonization, digital tools have been projected to cut emissions by up to 30% by 2050 i in high-emitting sectors such as power, energy and transport.



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In the third part, the method of building the functional structure of the industrial chain and the distributed process management model are sorted out, so that the readers of this paper can have a more

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