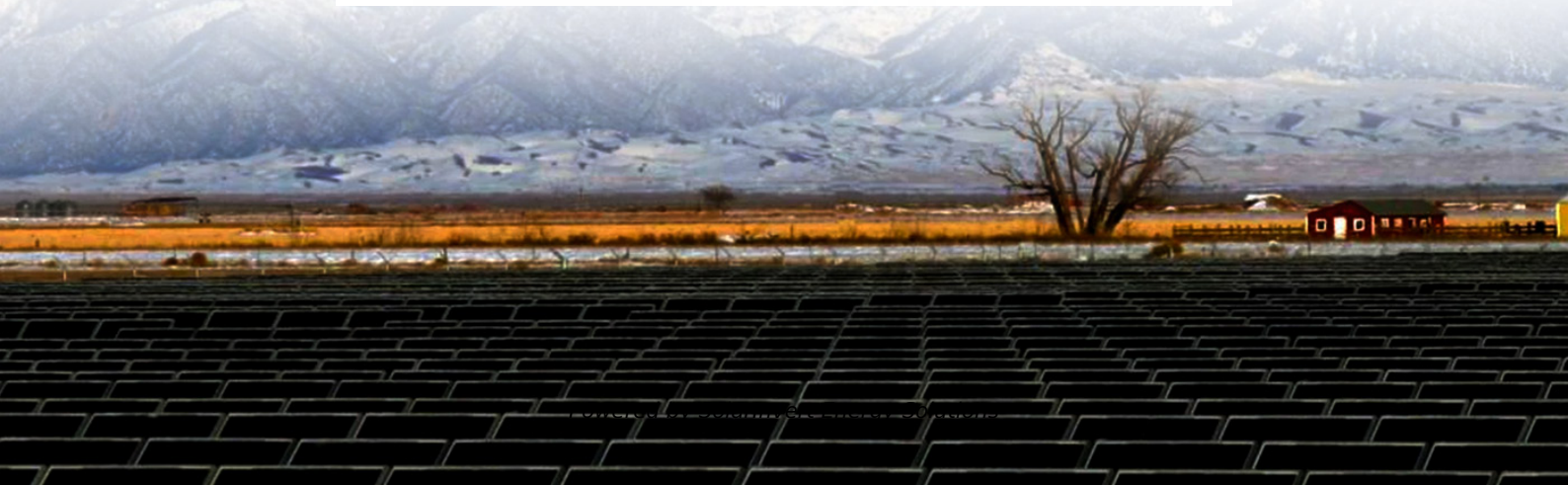
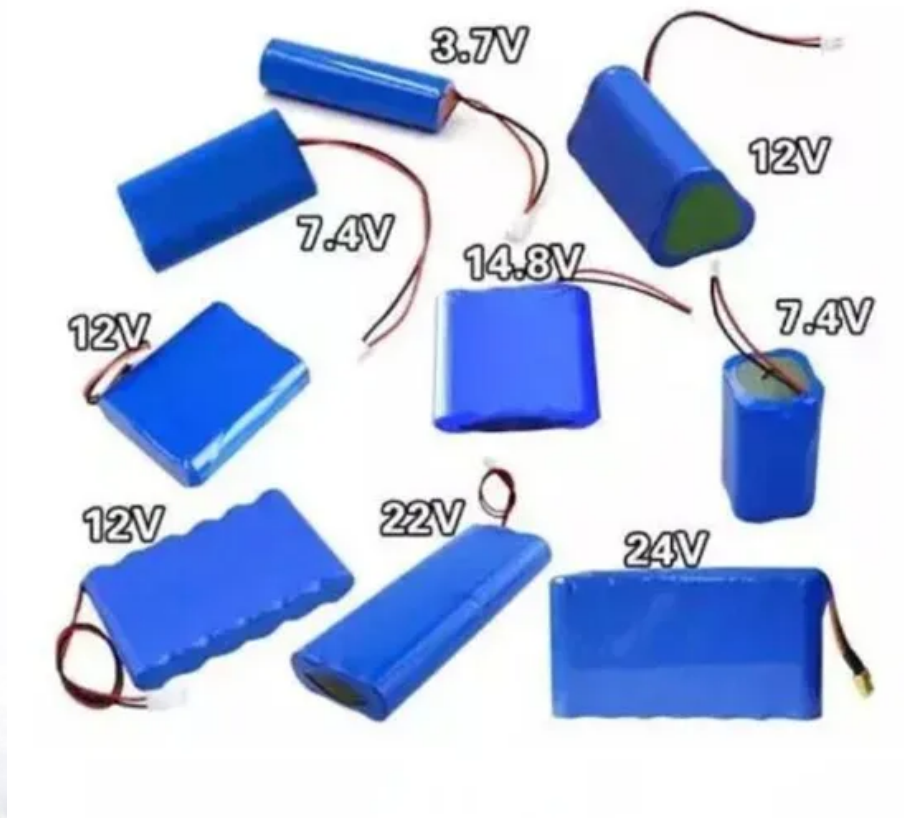


SolarInvert Energy Solutions

Tashkent 5G base station on-site transaction electricity price policy



Overview

What is a 5G base station?

Photovoltaic (PV)-storage integrated 5G base station (BS) can participate in demand response on a large scale, conduct electricity transaction and provide auxiliary services, thus reducing the high electricity consumption of 5G BSs and increasing the flexibility resource capacity of the distribution network.

What is the ITU-T Technical Report on 5G base station?

This document contains Version 1.0 of the ITU-T Technical Report on “Smart Energy Saving of 5G Base Station: Based on AI and other emerging technologies to forecast and optimize the management of 5G wireless network energy consumption” approved at the ITU-T Study Group 5 meeting held online, 20th May, 2021. 3.1.

Can network energy saving technologies mitigate 5G energy consumption?

This technical report explores how network energy saving technologies that have emerged since the 4G era, such as carrier shutdown, channel shutdown, symbol shutdown etc., can be leveraged to mitigate 5G energy consumption.

What is the energy-saving technology of base stations?

This technical report focuses on energy-saving technology of base stations. Some energy saving technologies since 4G era will be explained in details, while artificial intelligence and big data technology will be introduced in response to the requirement of an intelligent and self-adaptive energy saving solution.

Do PV-storage integrated 5G BSS participate in distribution network frequency regulation?

In the future, we will deeply analyse the coupling characteristics of energy flow and information flow in PV-storage integrated 5G BSs. On this basis, we will explore the potential and mode of 5G BSs participating in distribution

network frequency regulation, and standardize the bidding process of RCOs in the electricity market.

How can a base station save energy?

There are two main methods of base station energy saving, including hardware and software.

Tashkent 5G base station on-site transaction electricity price policy



Final draft of deliverable D.WG3-02-Smart Energy Saving ...

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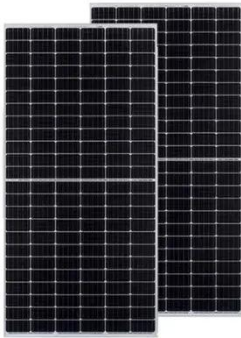
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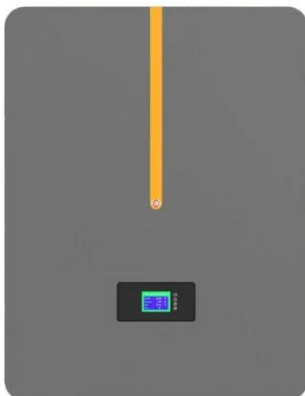
based on day-ahead predicted data of renewable energy output and load and errors, the model adjusts the backup ...

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