

## SolarTech Power Solutions

# Where are the batteries for Russian communication base stations



## Overview

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The Russian industry has begun to actively develop the production of equipment and components for cellular communications. Until 2022, base stations (BS), without which cellular networks cannot operate, were supplied to Russia by Nokia, Ericsson and Huawei.

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Until 2022, base stations (BS), without which cellular networks cannot operate, were supplied to Russia by Nokia, Ericsson and Huawei. Since then, domestic companies have been actively engaged in import substitution. For example, Yadro has opened the first production line in Russia for electronic.

The Communication Base Station Battery market is experiencing robust growth, driven by the expanding deployment of 5G and 4G networks globally. The increasing demand for higher data speeds and improved network coverage is fueling the need for reliable and efficient power backup solutions for base.

Battery for Communication Base Stations refers to batteries as backup power for communication base stations. Due to the COVID-19 pandemic and Russia-Ukraine War Influence, the global market for Battery For Communication Base Stations estimated at US\$ 1561.6 million in the year 2022, is projected to.

By order of the Ministry of Industry and Trade of the Russian Federation, the base stations manufactured by Irteya LLC were assigned the status of telecommunications equipment of Russian origin (TORP). The corresponding order dated December 27, 2024 was received through the official channels of MTS.

The 2MWh □LTO□lithium titanate energy storage system is buried underground. The lithium titanate battery cell can still charge and discharge at -40°C, which is a wide temperature characteristic. Under the extremely low

temperature climate conditions in Mohe, it can still stabilize the power supply.

The rising demand for higher power capacity and longer battery life in base stations, coupled with the ongoing miniaturization of these stations (particularly micro and macro base stations), is significantly boosting market expansion. Furthermore, the shift towards renewable energy sources and the. Who makes cellular base stations in Russia?

For example, Yadro has opened the first production line in Russia for electronic modules for cellular base stations, Izvestia was told by X Holding, which it belongs to. This is one of the key production elements required for a full-fledged large-scale production of base stations, which is scheduled for the end of this year.

How many base stations does Russia need a year?

According to him, Russian operators annually need about 60-80 thousand new base stations. Demand will increase when the deployment of 5G networks begins in Russia, he does not exclude. Read more in the exclusive Izvestia article:.

How many Irteya base stations will MTS connect in 2025?

During 2025, MTS will connect another 1,000 Irteya base stations. The equipment was developed and manufactured by Irteya LLC, a Russian telecom vendor, and 50% of the shares of this company belong to MTS PJSC. PJSC Mobile TeleSystems (MTS, TIN 7740000076), together with its subsidiaries, serves about 100 million cellular subscribers.

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