

# DC microgrid for 5G base stations





## Overview

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Does a 5G base station microgrid photovoltaic storage system improve utilization rate?

Access to the 5G base station microgrid photovoltaic storage system based on the energy sharing strategy has a significant effect on improving the utilization rate of the photovoltaics and improving the local digestion of photovoltaic power. The case study presented in this paper was considered the base stations belonging to the same operator.

What is P0 in 5G microgrid?

P0 is the base power consumption generated by the four base stations when there is no traffic load. In the 5G base station microgrid, the traffic of the macro and micro base stations exhibits obvious periodicity in time, and the upward and downward trends are in step.

How 5G base station microgrid power backup works?

The charging and discharging actions of energy storage meet the requirements of various 5G base stations for microgrid power backup. During the low electricity price period, the 5G base station microgrid purchases electricity from the grid to meet the power demand of the base station.

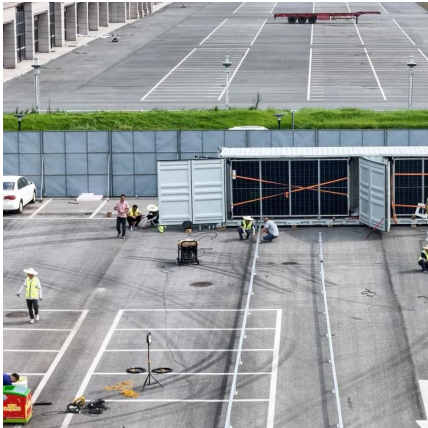
What is a 5G base station microgrid?

In the 5G base station microgrid, the traffic of the macro and micro base stations exhibits obvious periodicity in time, and the upward and downward trends are in step. Therefore, the flow load of the macro base station is set to X times that of the micro-base station.



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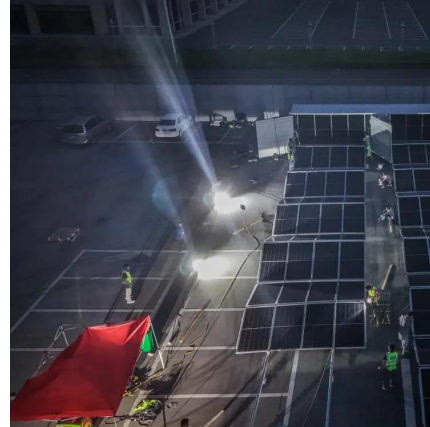
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