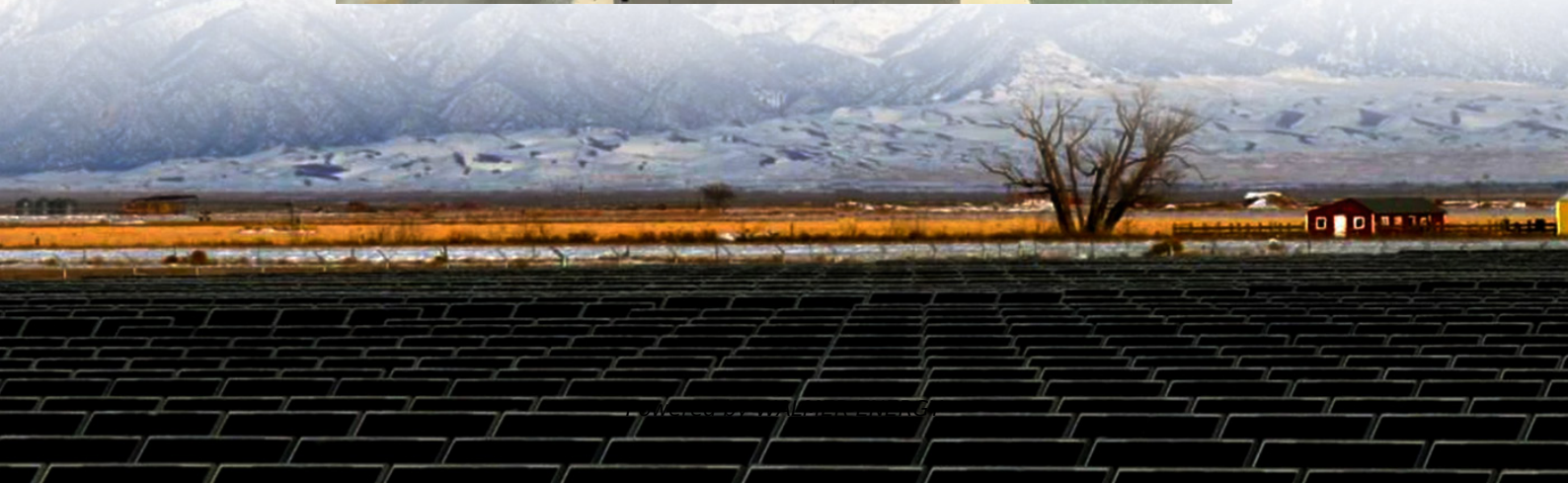


How much output current should the base station power supply be changed to





Overview

How much power does a base station have?

Maximum base station power is limited to 38 dBm output power for Medium-Range base stations, 24 dBm output power for Local Area base stations, and to 20 dBm for Home base stations. This power is defined per antenna and carrier, except for home base stations, where the power over all antennas (up to four) is counted.

How to calculate base station power consumption per unit area?

The base station power consumption per unit area is given by: where λ_a , P_a , P_s , ρ , and θ are the base station density in sleep mode, the active mode power, the sleep mode power, the traffic load, and the ratio between sleep mode and active mode power, respectively.

What is base station Power?

Base station power refers to the output power level of base stations, which is defined by specific maximum limits (24 dBm for Local Area base stations and 20 dBm for Home base stations) and includes tolerances for deviation from declared power levels, as well as specifications for total power control dynamic range. How useful is this definition?

.

How many transceivers does a base station have?

It consist of three part elements: one or more transceivers, several antenna mounted on a tower or building, power system, and air conditioning equipment. A base station can have between 1 and 16 transceivers, depending on geography and the demand for service of an area.



How much output current should the base station power supply be

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