

SolarInnovate Energy Solutions

Brief description of base station power supply



Overview

What is a power base?

A power base is where someone gets their power from. Examples include legitimate power, reward power, coercive power, referent power, and expert power. Legitimate power bases include those who are appointed or chosen and have a sanctioned right to require and demand compliance. Reward power bases offer rewards to gain compliance.

How much power does a PSU need?

This is when the PSU is no longer powering the PA, which is the main power draw, but still needs to power other electronics. The current target for low-load efficiency is about 30 W. Some OEMs would like to see that drop to nearly 10 W.

How much power does a PSU need during a quiescent period?

During quiescent periods—typically 5 ms to 100 ms—the PSU must minimize all load power with the basic functions of the antenna unit remaining active. It also must be able to ramp up to full power whenever the antenna wants to check for any active users within its range.

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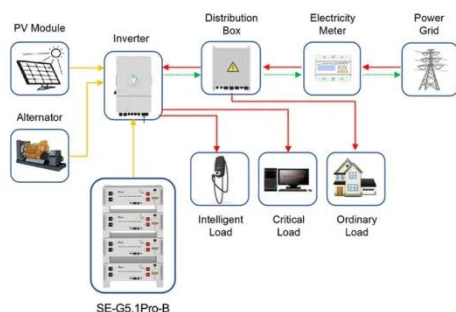


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